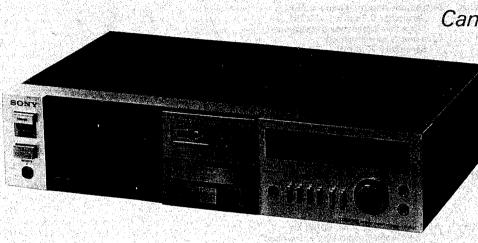
US Model Canadian Model AEP Model UK Model



'Dolby' and the double-D symbol are the trade marks of Dolby Laboratories. Noise reduction system manufactured under license from Dolby Laboratories.

## STEREO CASSETTE DECK

#### **SPECIFICATIONS**

Recording System: 4-track 2-channel stereo

Fast-forward and

Approx. 90 sec. (with C-60 cassette) **Rewind Time:** 

105 kHz Bias Frequency:

SAFFTY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET UNE MARQUE A SUR LES DIAGRAMMES SCHE-MATIQUES, LES VUES EXPLOSÉES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.



Signal-to-noise Ratio: DOLBY NR OFF

With TYPE IV cassette (Sony METALLIC) 58 dB at peak level (NAB)

56 dB (DIN)

With TYPE III cassette (Sony FeCr) 58 dB at peak level (NAB)

56 dB (DIN)
With TYPE II cassette (Sony CD-α)

57 dB at peak level (NAB) DOLBY NR ON

Improved by 5 dB at 1 kHz, 10 dB above 5 kHz

Total Harmonic

Distortion: 1.0 % (with Sony METALLIC and FeCr

cassettes)

Frequency Response: DOLBY NR OFF

With TYPE IV cassette (Sony METALLIC) 20 – 17,000 Hz 30 – 15,000 Hz (±3 dB)

30 - 13,000 Hz (±3 dB, 0 VU recording)

30 - 15,000 Hz (DIN)

With TYPE III cassette (Sony FeCr) 20 - 16,000 Hz 30 - 15,000 Hz (±3 dB)

30 - 15,000 Hz (DIN)

30 – 15,000 Hz (DIN)
With TYPE II cassette (Sony CD-α)
20 – 16,000 Hz
30 – 14,000 Hz (±3 dB)
30 – 14,000 Hz (DIN)

With TYPE I cassette (Sony BHF)

20 - 15,000 Hz

30 - 13,000 Hz (DIN)

- Continued on page 2 -



Wow and Flutter:

0.05 % WRMS (NAB) ±0.17 % (DIN)

Inputs:

Microphone inputs (phone jacks)

Sensitivity 0.25 mV (-70 dB)
For a low-impedance microphone
Line inputs (phono jacks)
Sensitivity 77.5 mV (-20 dB)
Input impedance 50 kΩ

Outputs:

Line outputs (phono jacks) Output level 0.435 V (–5 dB) at load impedance 50  $k\Omega$ 

Load impedance over 10 k $\Omega$ 

Headphone output
Output level 31 mV (-28 dB) at a load

impedance of 8  $\Omega$ 

Record/Playback Jack:

(AEP model)

Input impedance less than 10  $k\Omega$  Output impedance less than 10  $k\Omega$ 

GENERAL

Power Requirements:

AEP model: 220 V ac, 50/60 Hz (240 V ac adjustable by authorized Sony personnel)

UK model: 240 V ac, 50/60 Hz (220 V ac adjustable by authorized Sony personnel) US, Canadian model: 120 V ac, 60 Hz

Power Consumption:

22 W

Dimensions:

Approx. 430(w) x 105(h) x 250(d) mm  $16\frac{7}{8}$  (w) x  $4\frac{1}{8}$  (h) x  $9\frac{7}{8}$  (d) inches including projecting parts and controls

Weight:

Approx. 4 kg (8 lbs 13 oz)

Supplied Accessories:

Connecting cord . . . . . 2
Head cleaning tips . . . . . 1 set

0 dB = 0.775 V

While the information given is correct at the time of printing, small production changes in the course of our company's policy of improvement through research and design might not necessarily be indicated in these specifications. We ask you to check with your appointed Sony dealer if clarification on any point is required.

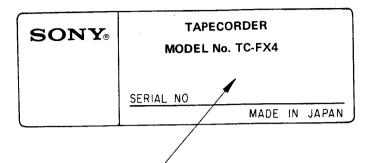
Appliance conforms with EEC Directive 76/889 regarding interference suppression.

Tape Transport Mechanism Type: TCM-110V3

#### MODEL IDENTIFICATION

- Specification Label -

**A** 



US, Canadian model: AC 120V 60Hz 22W

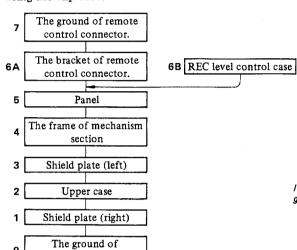
AEP model: AC 220V~ 50/60Hz 22W UK model: AC 240V~ 50/60Hz 22W

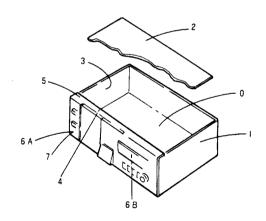
#### SERVICE NOTE

#### The Grounded Circuit On Repairing

The ground is connected in the numerical order as shown below.

When removing parts, make the grounded circuit by using the clip cord.





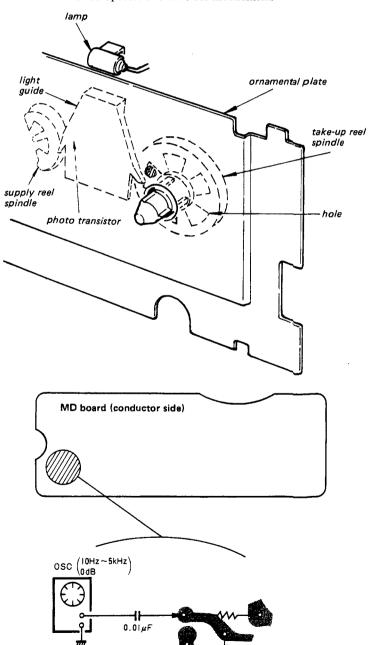
amp section

0

#### Shut-Off Detection and Precaution On Repairing

In this set, the shut-off detection is made optically. The take-up reel spindle has five holes. The light of the lamp received by the light guide is intermittently applied to the photo transistor by means of the rotation of the reel spindle. The pulse generated by the photo transistor Q701 is amplified by Q601 and is fed to the mechanism control IC401.

Accordingly, when it is necessary to repair the unit after removing the ornamental plate, connect an af oscillator to the collector of Q701 as shown below, so as not to operate the shut-off mechanism.



Q701

### Handling Precautions for MOS ICs

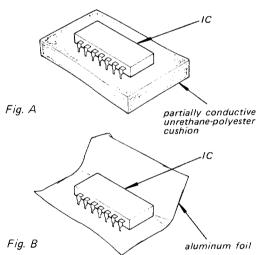
Generally, the insulation resistance of the oxide layer in MOS IC structures is very high, and the oxide layer is very thin. Because of this, it is possible that the static voltages usually present on clothes and the human body will be enough to generate a potential difference across the insulator, high enough to cause a breakdown of the insulating layer.

The following precautions should be taken while handling these ICs.

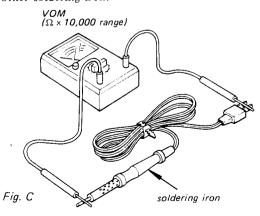
(Particular care should be taken under conditions of low humidity.)

#### Precautions in Replacing MOS ICs

- Store new ICs by inserting them into a urethanepolyester cushion (which is somewhat conductive), or wrapping it in aluminum foil, so that all the pins are at the same potential.
  - (The ICs should be stored in that manner until mounted on the circuit board.)



2. Check the soldering iron for possible power-line leakage current. Make sure that there is no leakage path by connecting an ohmmeter to the tip of the soldering iron and the plug as shown in Fig. C. If there is a leakage path, use some other soldering iron.



- 3. Equalize any potential difference between the clothes, the tools in use, the work bench, the set being worked on, and the packaged IC by touching them all in succession with the hands or a conductive wire or tool.
- The following are effective methods for handling ICs that remove the potential difference across the oxide layer.
  - Use a paper clip modified by soldering in a wire braid insert.

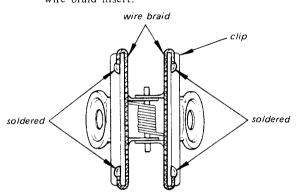
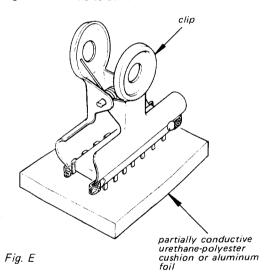
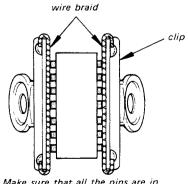


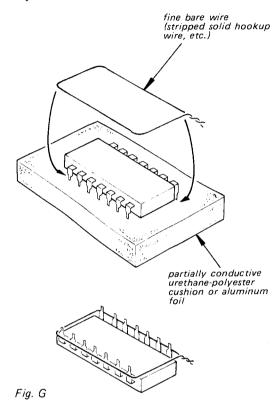
Fig. D Make sure that there is no solder on the inside.



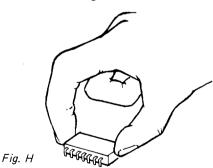


Make sure that all the pins are in contact with the wire braid (all the pins will then be at the same potential.).

• Take a short length of fine bare wire and wind it around the IC so that it shorts all the pins of the IC, while it is still in the urethane-polyester cushion or aluminum foil. This ensures that all the pins are at the same potential.



 When it is necessary to handle the IC with the fingers, do not touch any pin, and hold the IC at the ends of its plastic-package case as shown in Fig. H.



#### Method of Mounting

Insert the IC while holding it with the modified clip, and solder all the pins with the clip still shorting the pins. (Similarly, solder all the pins while the bare shorting wire is still wound around them.). Remove the clip or the bare shorting wire only after all the pins have been soldered.

#### Precaution while Checking C-MOS ICs

The C-MOS ICs (Complementary MOS) are MOS ICs that have their output sections made up of N-channel and P-channel push-pull stages to increase their speed of operation. If the output terminal of these ICs comes into contact with B+ or B- voltage, then the FET which is ON at that time will either become shorted or open.

This is valid for all the output sections that are connected together by the interconnections. Even the circuits that are physically separated (and not on the same board) can be destroyed simultaneously.

#### Example:

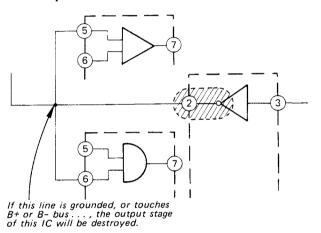
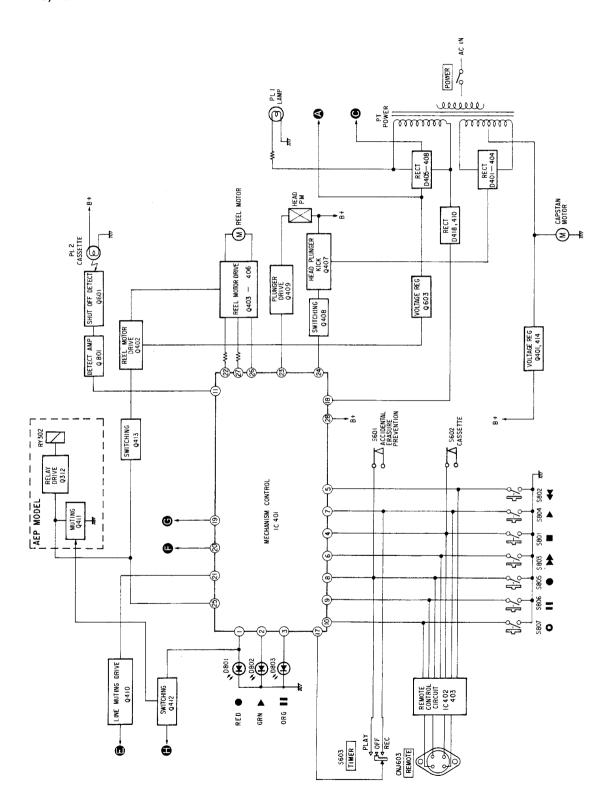


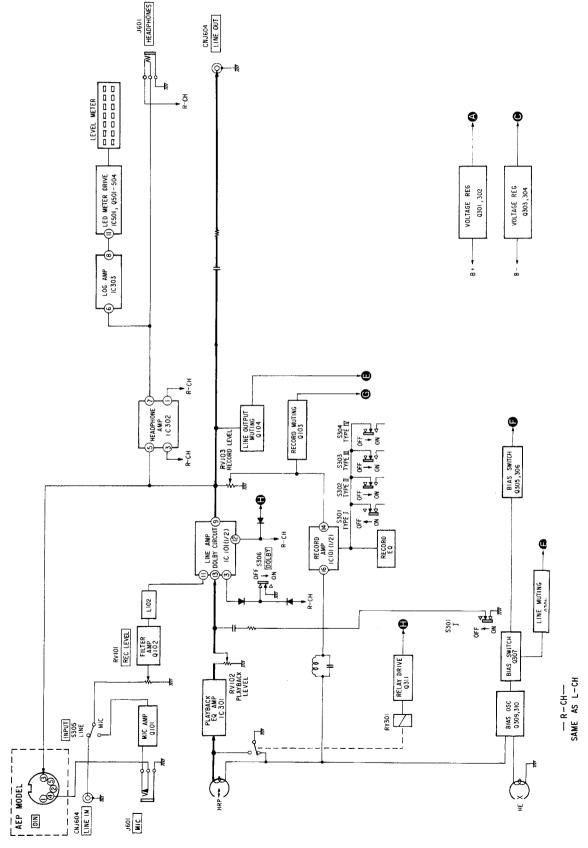
Fig. 1

# SECTION 1 OUTLINE

## 1-1. BLOCK DIAGRAMS — System Control Section —

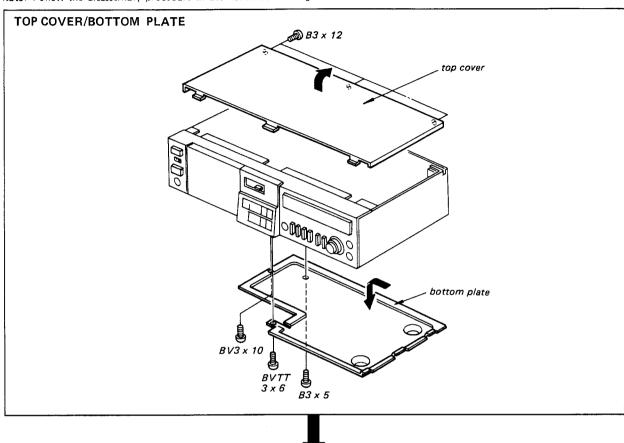


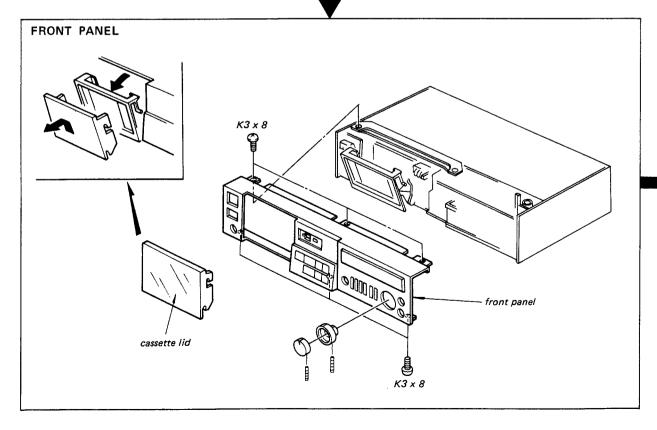
### - Audio Amp Section -

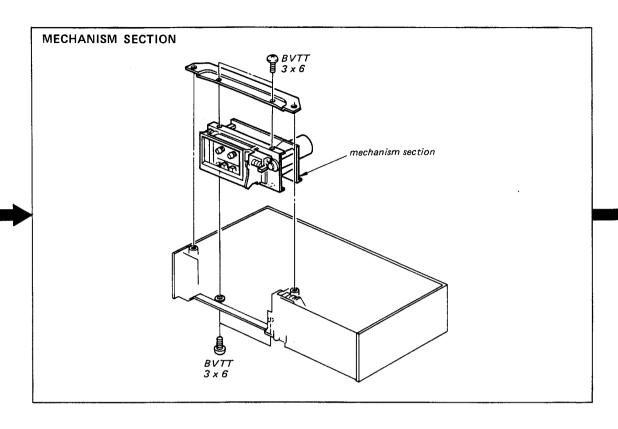


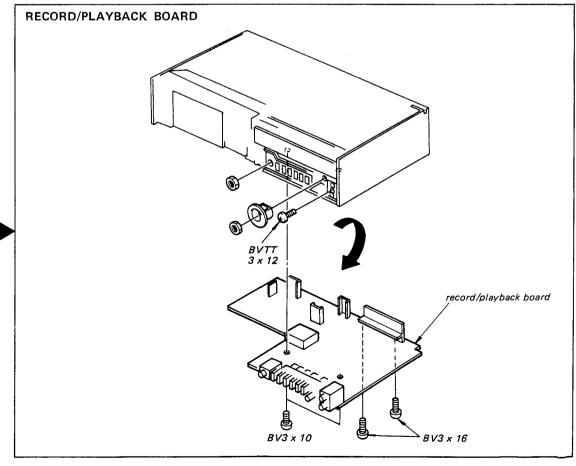
### SECTION 2 DISASSEMBLY

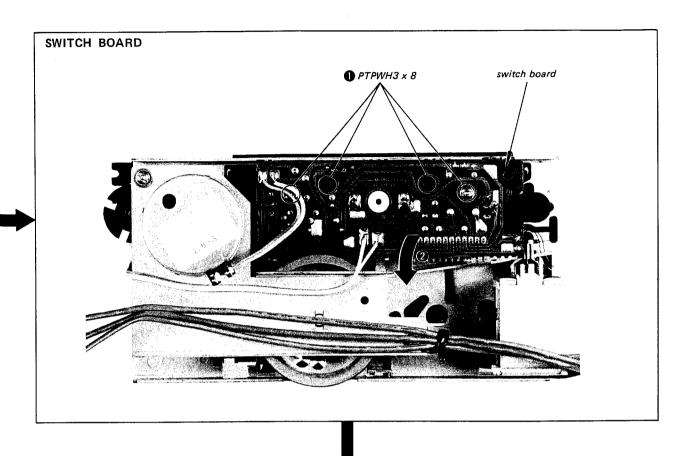
Note: Follow the disassembly procedure in the numerical order given.





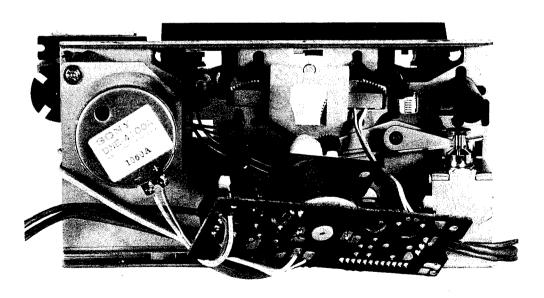






### INSIDE OF MECHANISM SECTION

• rear view



• front view: Refer to photos on mechanical adjustment.

# SECTION 3 ADJUSTMENTS

#### 3-1. MECHANICAL ADJUSTMENTS

#### **PRECAUTION**

1. Clean the following parts with a denaturedalcohol-moistened swab:

> record/playback head erase head capstan

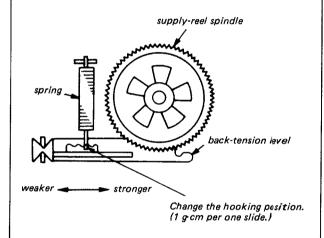
pinch roller rubber belts idlers

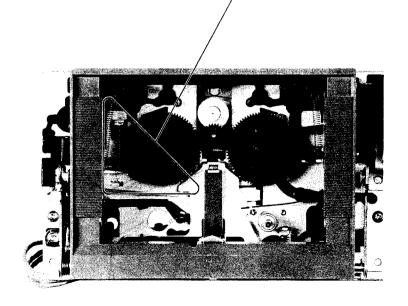
- 2. Demagnetize the record/playback head with a head demagnetizer.
- 3. Do not use a magnetized screwdriver for the adjustments.
- 4. After the adjustments, apply suitable locking compound to the parts adjusted.
- 5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

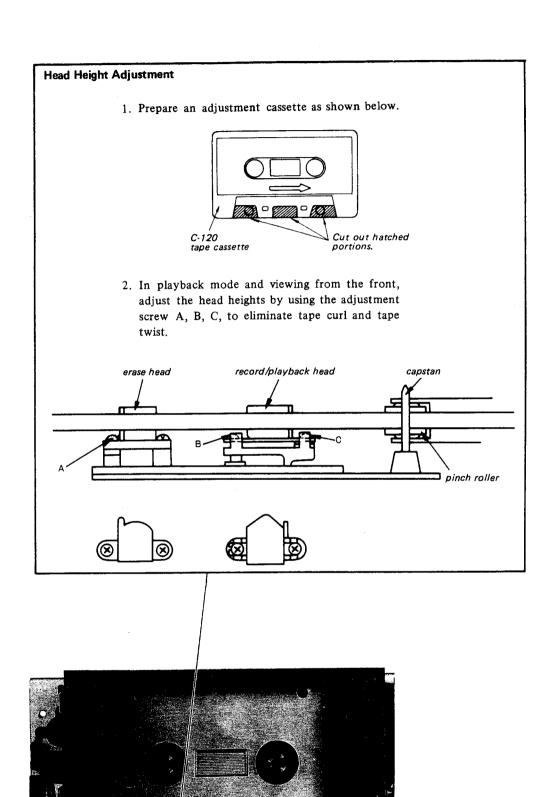
## Torque Measurement and Back Tension Torque Adjustment

Torque	Torque meter	Meter reading
Forward	CQ-102C	35-55 g·cm (0.48-0.76 oz·inch)
Fast forward, rewind	CQ-201A	110-165 g·cm (3.80-5.82 oz·inch)
Back tension	CQ-102C	2.5-4.5 g·cm (0.04-0.06 oz·inch)

2. If the specified back-tension torque is not obtained, change the hooking position.







#### 3-2. ELECTRICAL ADJUSTMENTS

Note: The adjustment should be performed in the order given in this service manual. (Playback section may be adjusted earlier

than record section.)

The adjustments should be performed for

both L-CH and R-CH.

 Set the TAPE switches according to the tape as follows.

Tape	TAPE switch
CS-10	TYPE I
CS-20	TYPE II
CS-30	TYPE III
CS-40	TYPE IV

• Switches and controls should be set as follows unless otherwise specified.

DOLBY NR switch:

OFF

TAPE switch:

TYPE I

TIMER switch:

OFF

#### • Standard Record:

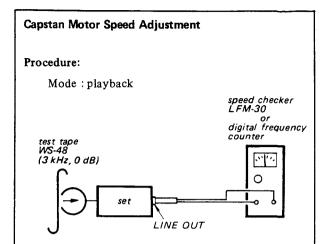
Deliver the standard input signal level to the input jack and set the REC LEVEL control to obtain the standard output signal level.

#### Standard Input Level

	MIC	LINE IN
source impedance	300 Ω	10 kΩ
input level	0.77 mV (-60 dB)	0.25 V (-10 dB)

#### Standard Output Level

	HEAD- PHONES	LINE OUT
load impedance	8 Ω	47 kΩ
output level	39 mV (-26 dB)	0.44 V (-5 dB)

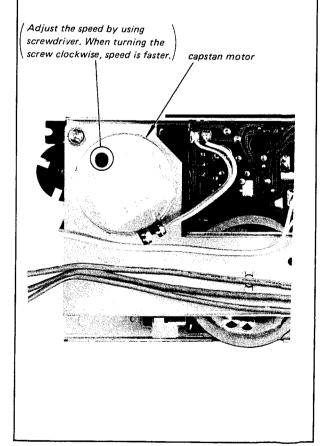


#### Specification:

Speed checker	Digital frequency counter
-0.3 - +0.3 %	2,990 - 3,010 Hz

Frequency difference between the beginning and the end of the tape should be within 1 % (30 Hz).

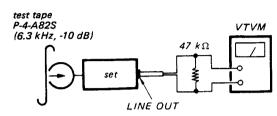
#### Adjustment Location:



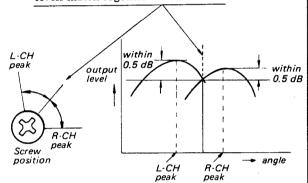
### Record/playback Head Azimuth Adjustment

#### Procedure:

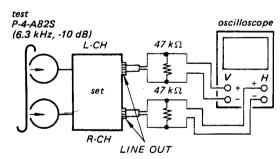
1. Mode: playback

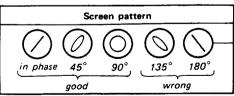


2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 0.5 dB.

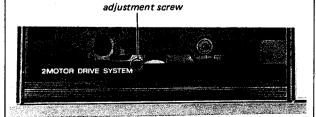


Phase CheckMode: playback





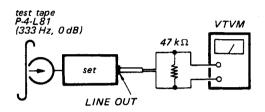
Adjustment Location:



#### Playback Level Adjustment

#### Procedure:

Mode :playback



#### Specification:

LINE OUT level:  $0.52 \sim 0.59 \text{ V}$ 

 $(-3.5 \sim -2.5 \text{ dB})$ 

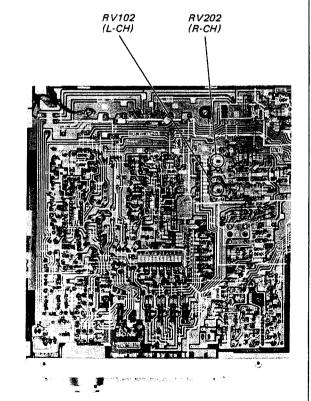
Level difference between channels:

less than 0.5 dB

Check that the LINE OUT level does not change in playback mode while changing the mode from playback to stop several times.

#### Adjustment Location:

- record/playback board -



#### Record Bias Adjustment

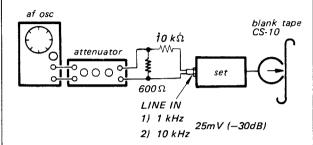
#### Setting:

REC LEVEL control: standard record

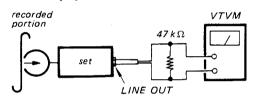
(See page 14)

#### Procedure:

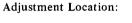
1. Mode: record

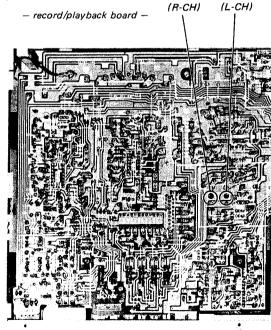


2. Mode: playback



Adjust BIAS trimmer C317 (L-CH, R-CH) so that the LINE OUT level of 10 kHz signal is 0 dB relative to that of 1 kHz.





#### Record Level Adjustment

#### Setting:

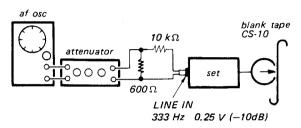
REC LEVEL control:

standard record

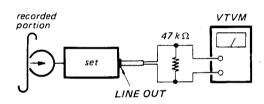
(See page 14)

#### Procedure:

1. Mode: record



2. Mode: playback

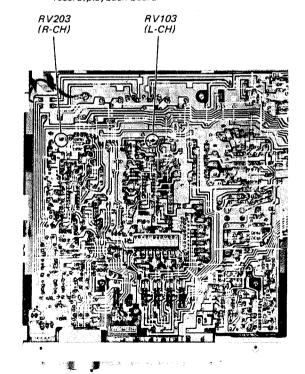


#### Specification:

LINE OUT level :  $0.41 \sim 0.46 \text{ V}$ (-5.5 $\sim$ -4.5 dB)

#### Adjustment Location:

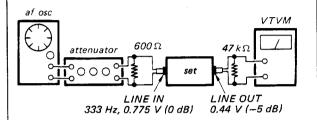
- record/playback board -



#### Level Meter Calibration

#### Procedure:

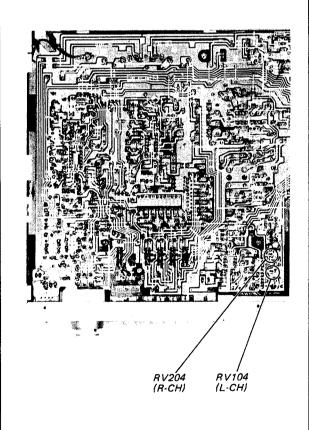
1. Mode: record



- 2. Set the REC LEVEL control so that the LINE OUT level is  $-5~\mathrm{dB}$ .
- 3. Adjust RV104 (L-CH) and RV204 (R-CH) to obtain 0 VU on the level meter.

#### Adjustment Location:

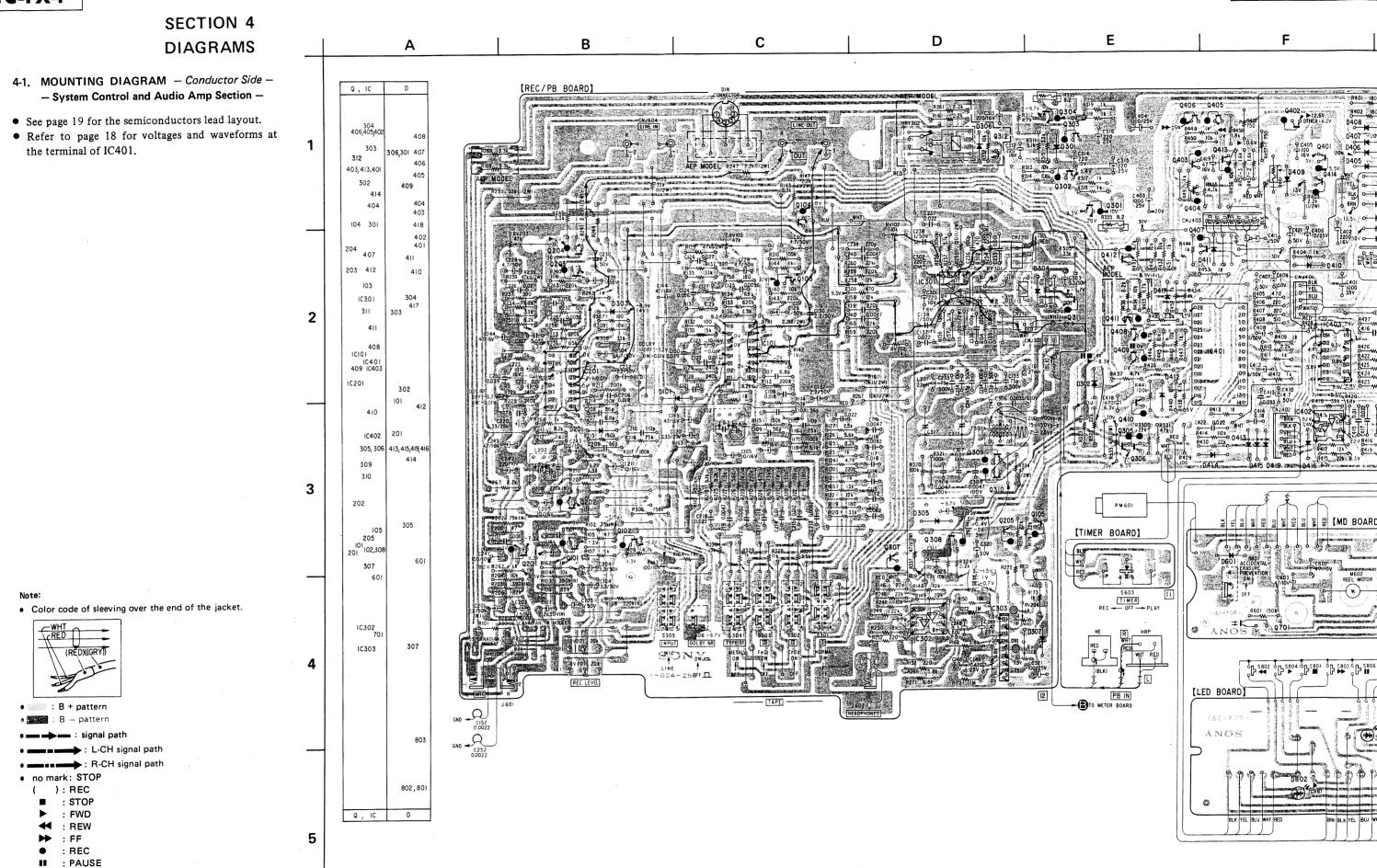
- record/playback board --

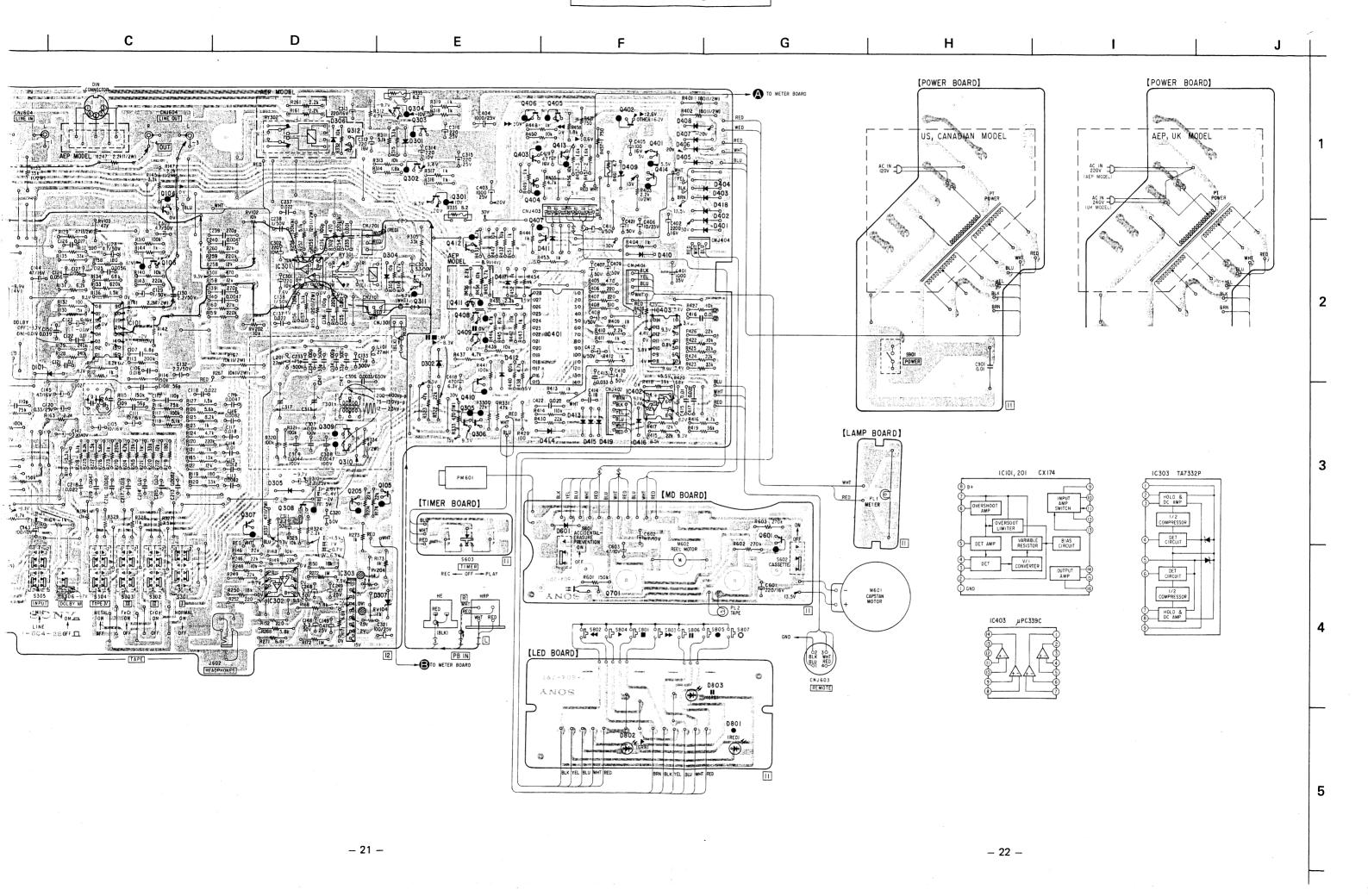


Voltages and Waveforms at the Terminals of IC401					
Termi- nal No.	Waveform or Voltage	Termi- nal No.	Waveform or Voltage	Termi- nal No.	Waveform or Voltage
1	Record Mode 4V	10		2)	Forward Mode or Record Mode (Voltage becomes 6V even when only REC button is pushed — REC MONITOR)
2	Forward Mode ————————————————————————————————————	(1)	Tape End Auto Shut-off 0.2 sec Tape stops at the end of	22	- 0V 4.6V - 31.25msec
3	Pause Mode 4V		the tape in Forward Mode.  (Voltage may fall to 0V by rotating angle of take- up reel spindle after shut-off mechanism operates.		PAUSE button is pushed in Record Mode  Forward Mode
		12		23	ov
4	Stop button is pushed	13	1Vp-p	24)	4.6V
5		14	0Vdc		Forward button is pushed
6	Rewind button is pushed	(15) (16) (17)	5Vdc	25	Forward Mode  4V
	Fast Forward button is pushed 5.6	/	0.5sec  Power button is pushed in Timer reset Mode	26	Fast Forward Mode
7	Forward button is pushed	18	3Vdc		
8	- 4.21 - 1.4V - OV  Record button is pushed		Record Muting button is pushed in Record Mode	27	Rewind Mode 4V
9	Pause button is pushed		Record button is pushed	28	5Vdc

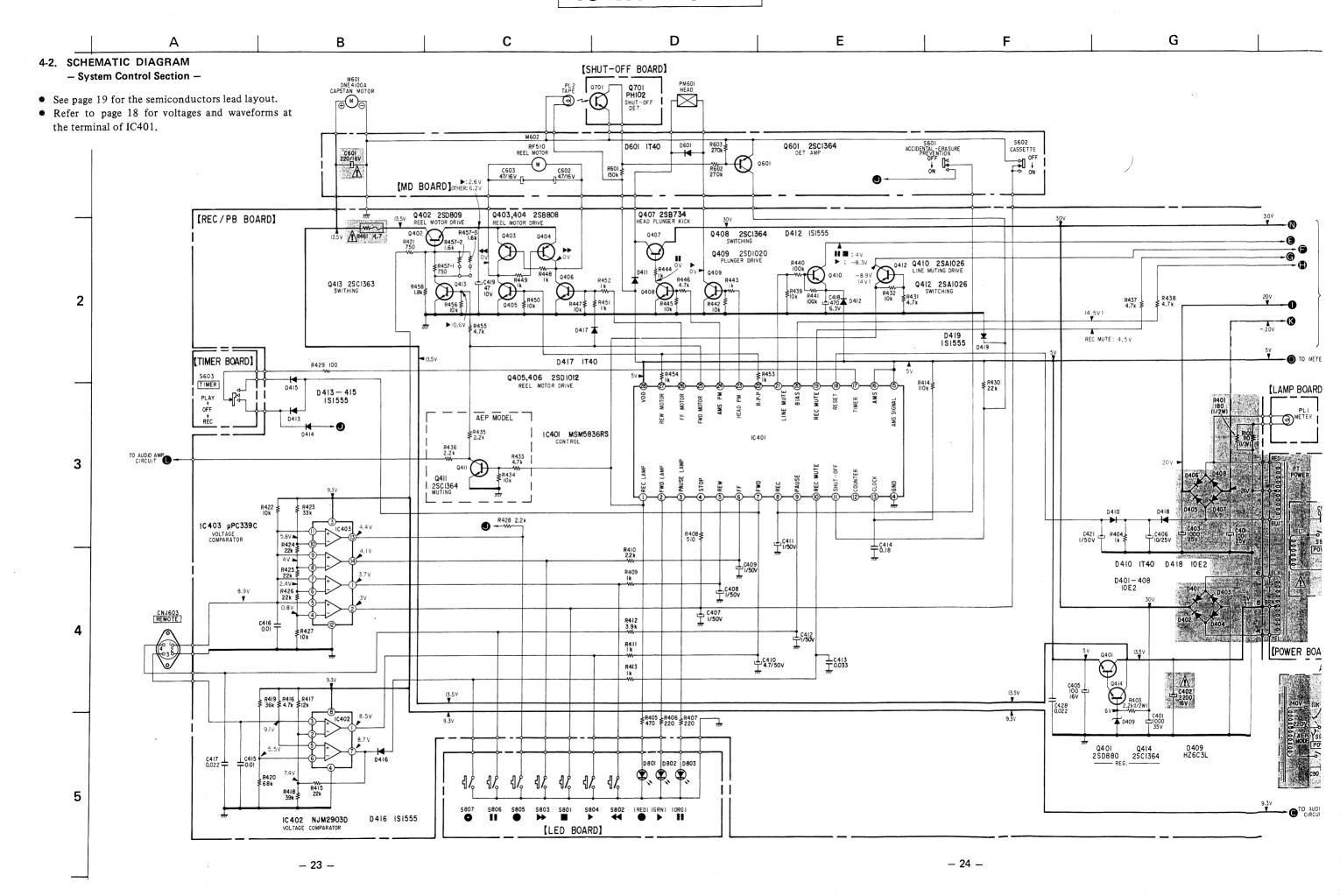
### • Semiconductor Lead Layout

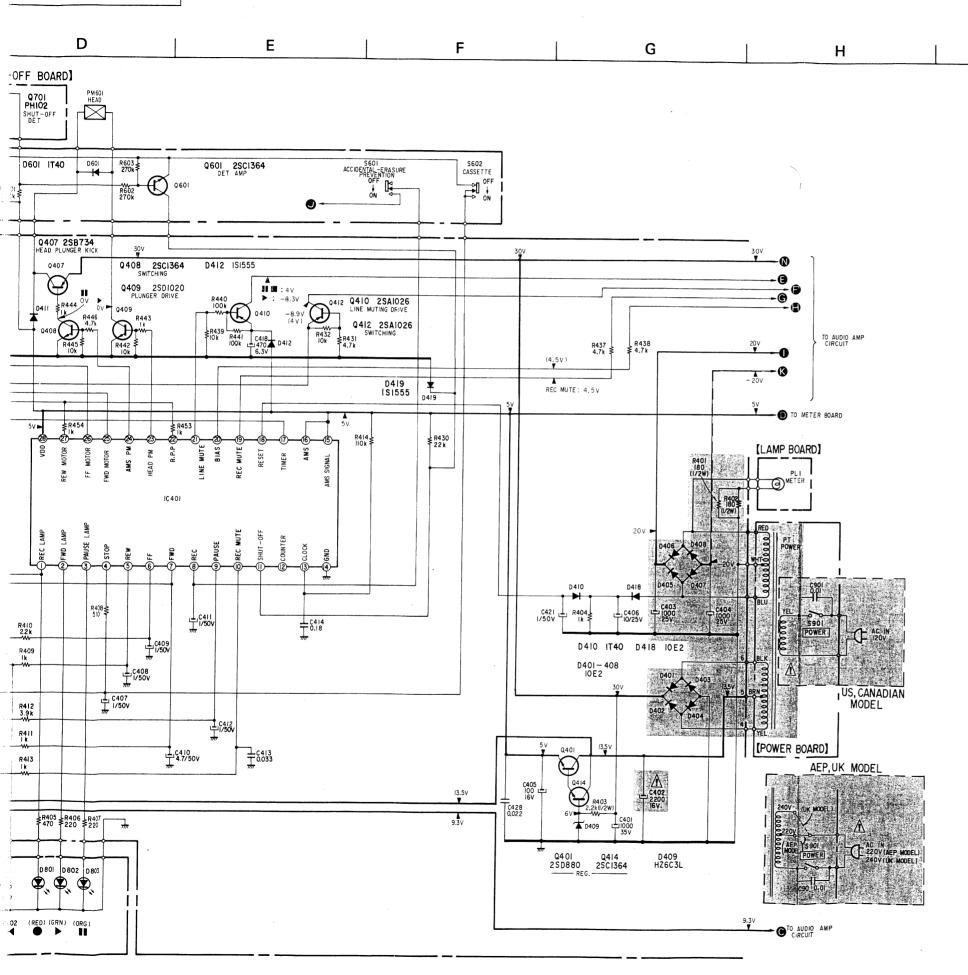
2SA844 2SA1026 2SA1027R B C E  2SB731    letter side	2SD880  2SD1012 2SD1020  8  C  C  C  C  C  C  C  C  C  C  C  C	μPC339C  1413121110 9 8  1 2 3 4 5 6 7  (Top view)  NJM2903D NJM4562D μPC4557C
2SB734 2SB808	CX174-2 16151413121110 9	1S1555 EQB01-15 HZ6C-3L 10E2 HZ6B1L
2SC458A 2SC1345	MSM5836 MSM5836RS	AA3432S AR3432S PG3432S
2SC1363 2SC1364	(Top view)  TA7332P	msl.9351
2SC945 2SC2001 B C E  2SD809 2SD862   etter side   E C B	2SA952 2SA844	(Top view)





## TC-FX4 TC-FX4





#### Note:

- All capacitors are in  $\mu$ F unless otherwise noted. pF:  $\mu\mu$ F 50WV or less are not indicated except for electrolytics and tantalums
- All resistors are in ohms, %W unless otherwise noted. k $\Omega$  : 1000  $\Omega$ , M $\Omega$  : 1000 k $\Omega$
- ---: B+ bus.
- ---: B- bus.
- Voltages are dc with respect to ground unless otherwise noted
- Readings are taken under no-signal conditions with a VOM (20  $k\Omega/V$ ).

no mark: STOP

■ : STOP ▶ : FWD

● : REC ■ : PAUSE

- Voltage variations may be noted due to normal production tolerances.
- Switches

	Ref. No.	Switch	Position
	S601	ACCIDENTAL ERASER PREVENTION	OFF
	S602	CASSETTE	OFF
	S603	TIMER	OFF
	S801	STOP	OFF
	S802	REW	OFF
	S803	FF	OFF
	S804	FWD	OFF
	S805	REC	OFF
	S806	PAUSE	OFF
	S807	REC MUTE	OFF
ı	S901	POWER	OFF

Note: The components identified by shading and mark  $\widehat{\underline{\Lambda}}$  are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une trame et une marque \( \underset \) sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

TC-

#### 4-3. SCHEMATIC DIAGRAM

- Audio Amp Section -

- Components for right channel have same values as for left channel. Reference numbers are coded from 200.
- All capacitors are in  $\mu F$  unless otherwise noted. pF :  $\mu \mu F$ 50WV or less are not indicated except for electrolytics
- All resistors are in ohms, ¼W unless otherwise noted.  $k\Omega$ : 1000  $\Omega$ ,  $M\Omega$ : 1000  $k\Omega$
- monflammable resistor.
- fusible resistor.
- 🐲 : signal path
- \_\_\_\_\_ : adjustment for repair.
- \_: B+ bus.
- --: B- bus.
- Voltages are dc with respect to ground unless otherwise
- Readings are taken under no-signal conditions with a VOM (20  $k\Omega/V$ ).

no mark: STOP

): REC

■ : STOP

: FWD 

**>>** : FF

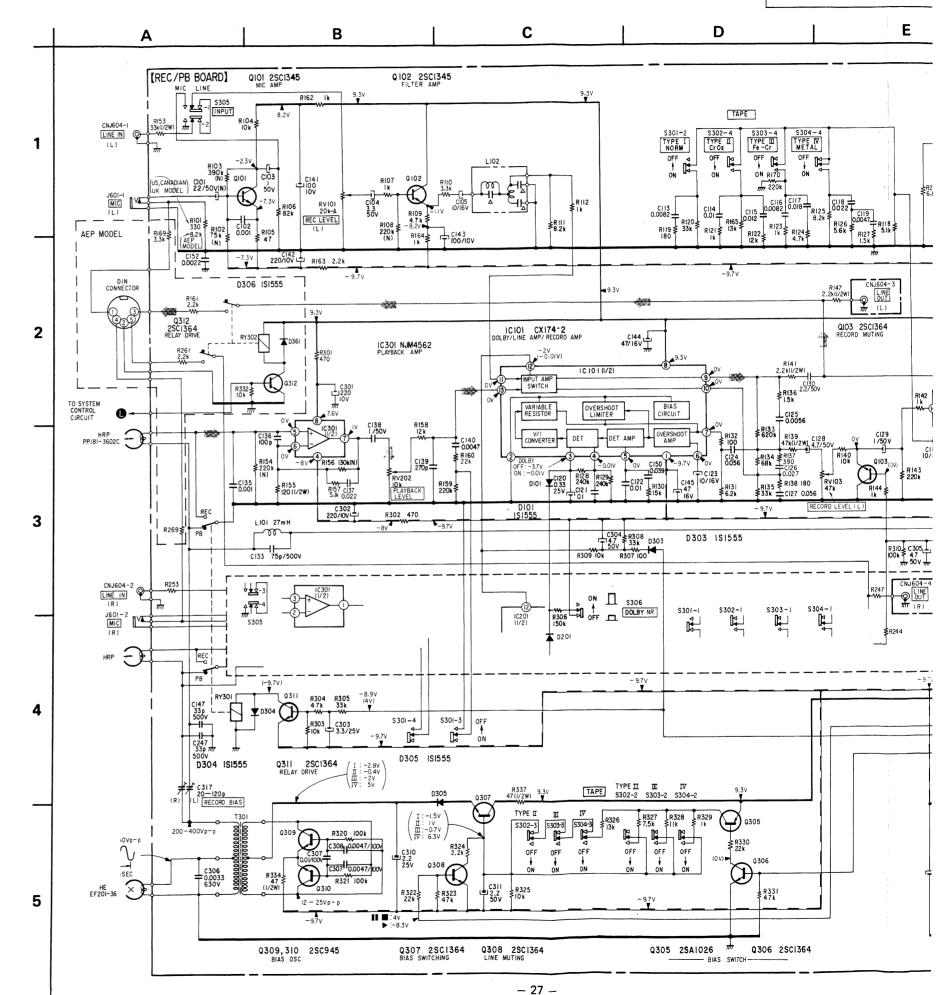
• : REC

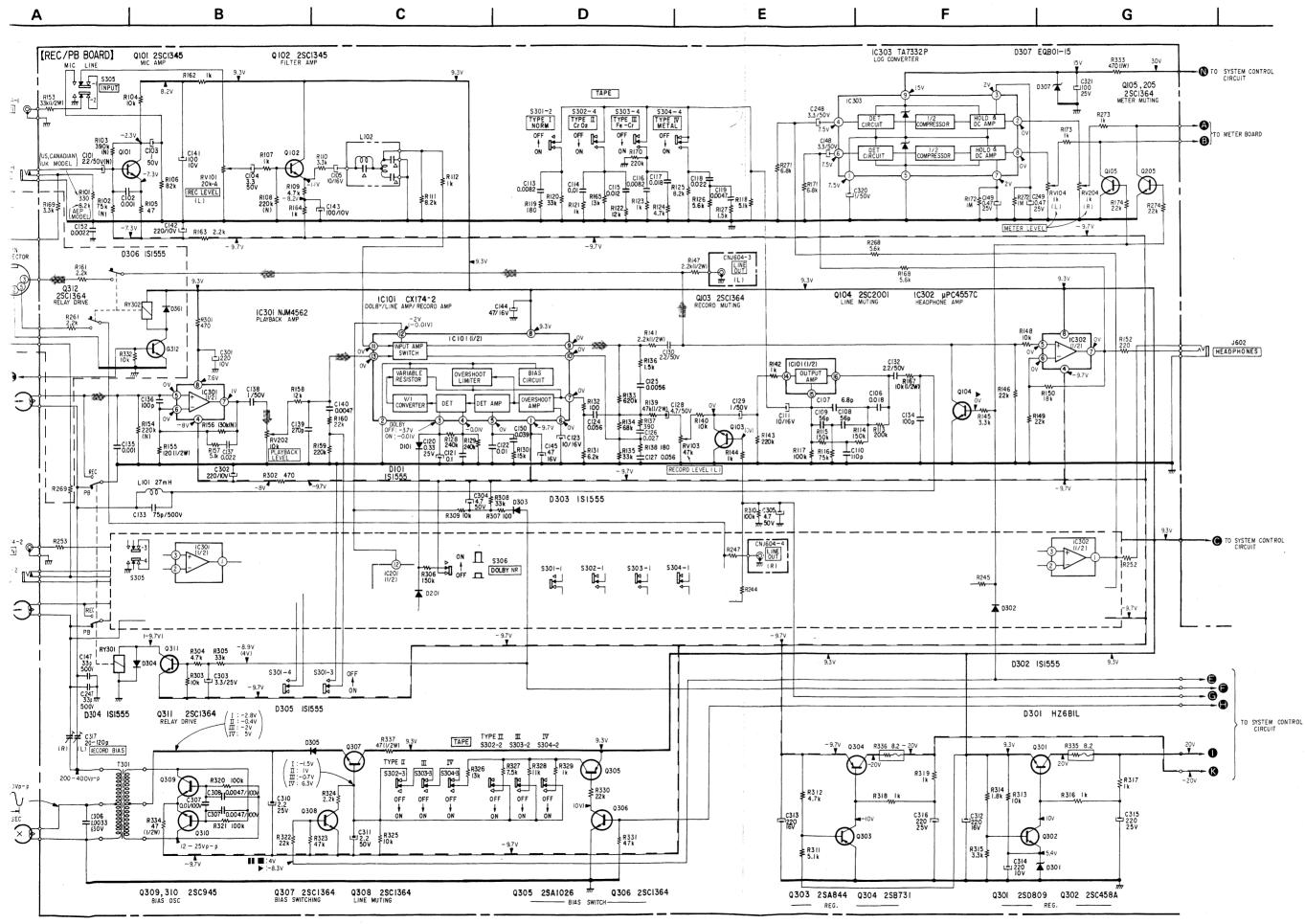
: PAUSE

 Voltage variations may be noted due to normal production tolerances.

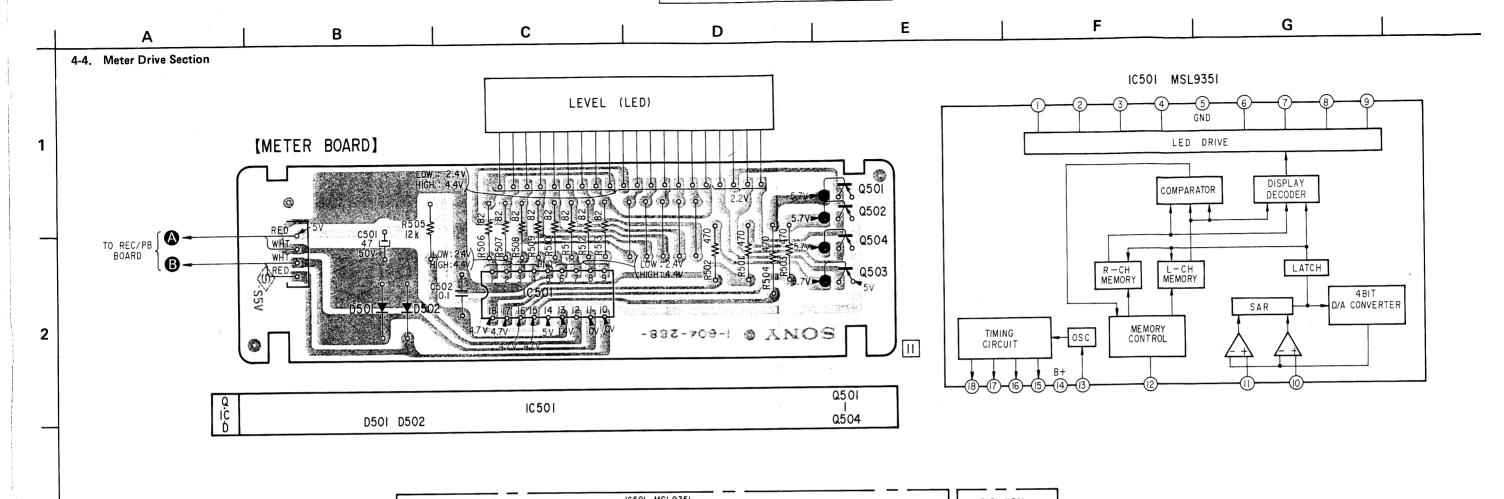
Switches

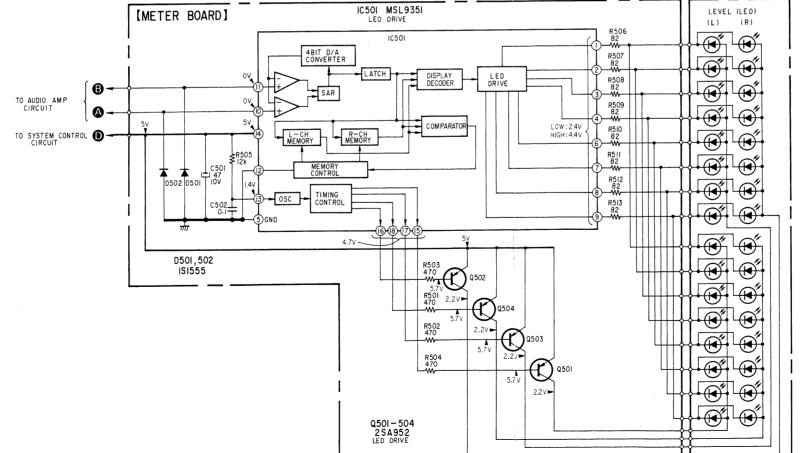
Ref. No.	Switch	Position
S301-304	TAPE	NORMAL
S305	INPUT	LINE
S306	DOLBY	OFF





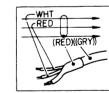
## TC-FX4 TC-FX4





#### Note:

Color code of sleeving over the end of the jacket.



• : B + pattern

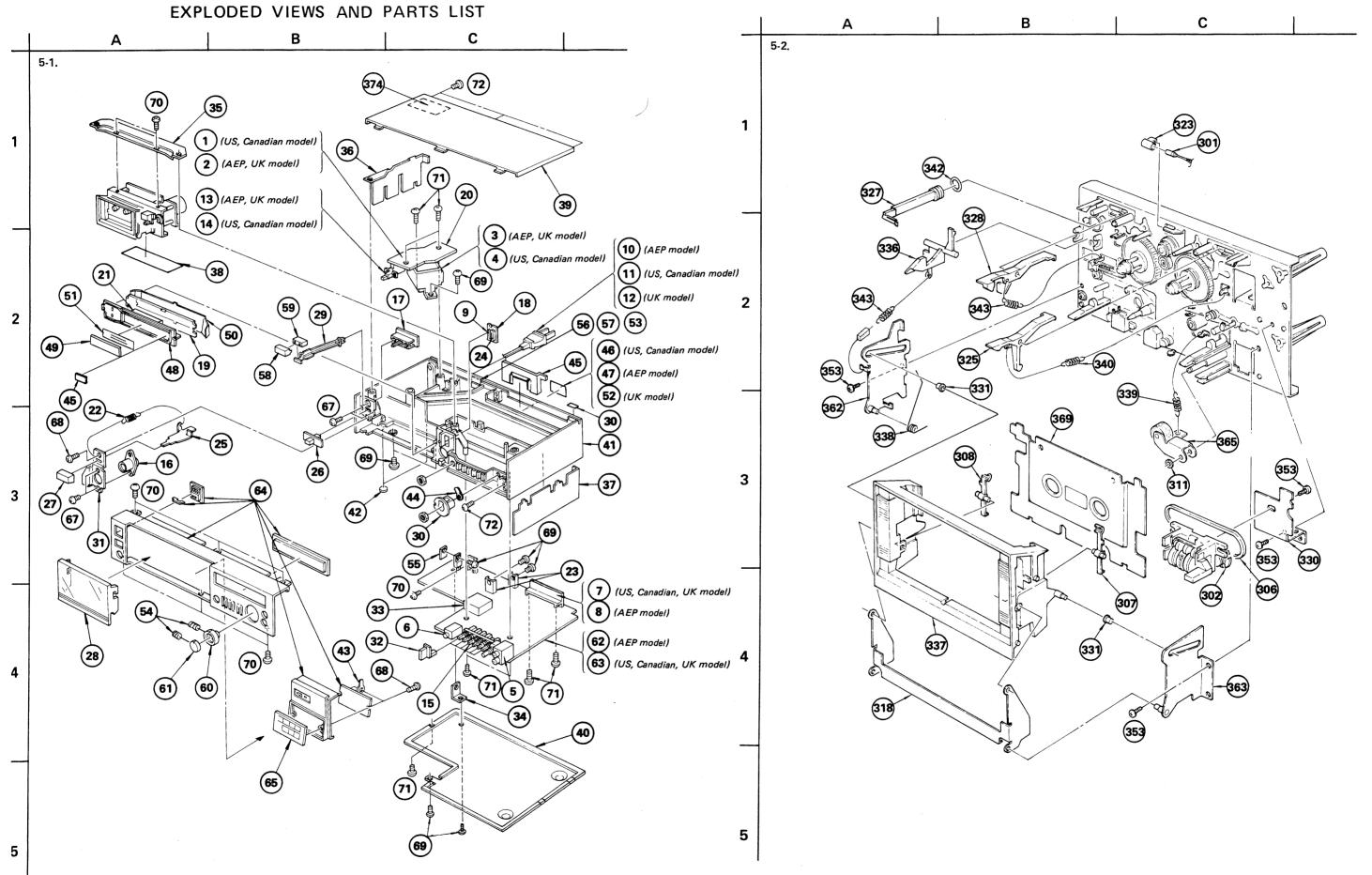
#### Note:

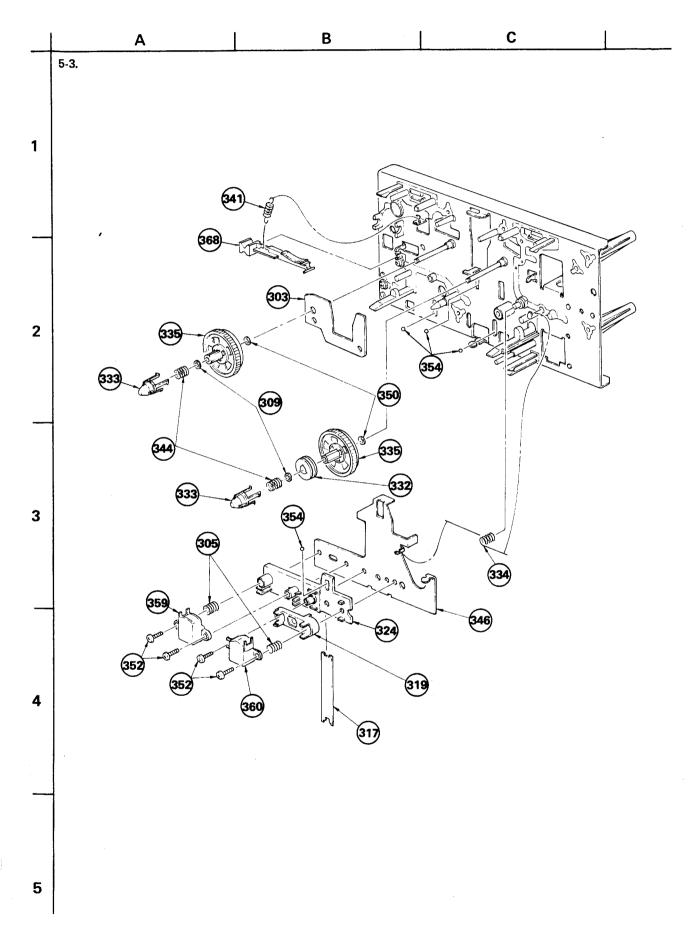
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, ¼ W unless otherwise noted.  $k\Omega$  :  $1000\,\Omega,\,M\Omega$  :  $1000\,k\Omega$
- : B+ bus.
- Voltages are dc with respect to ground unless of therwise noted.
- Readings are taken under no-signal conditions with a VOM (20  $k\Omega/V$ ).
- Voltage variations may be noted due to normal production tolerances.

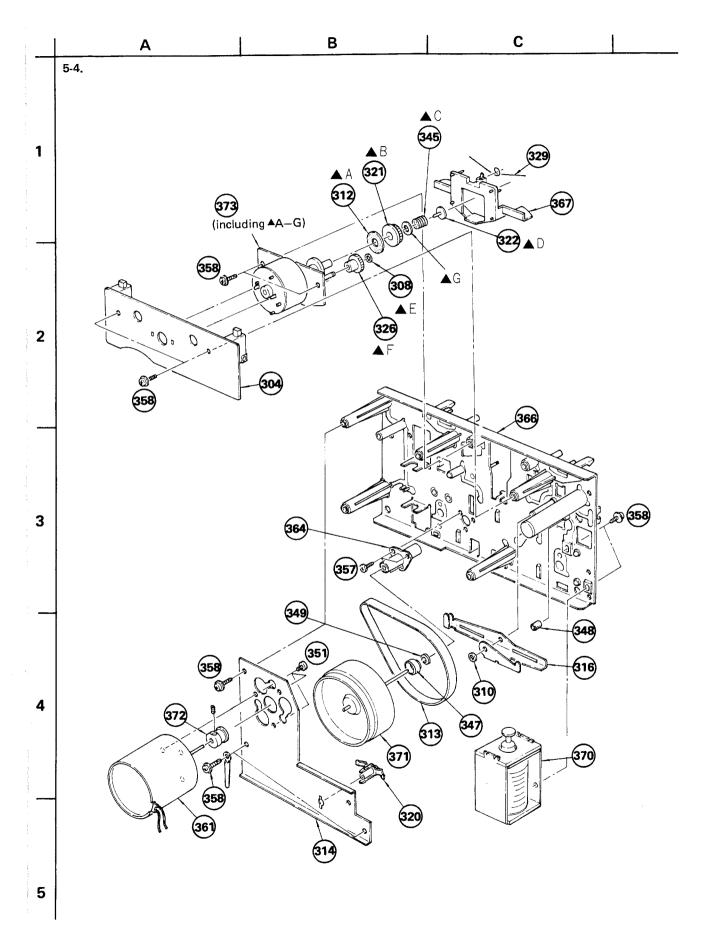
SEL8806A

3

### SECTION 5







#### GENERAL SECTION

No. Part No.	Description
1 $\triangle$ 1-161-749-00 2 $\triangle$ 1-161-744-00 3 $\triangle$ 1-446-916-00 4 $\triangle$ 1-446-922-00 5 1-507-525-00	CERAMIC 0.01MF 125V***(US,CND) CERAMIC 0.01MF 400V***(AEP,UK) TRANSFORMER, POWER***(AEP,UK) TRANSFORMER, POWER***(US,CND) JACK, (MIC)
6 1-507-553-00 7 1-507-717-00 8 1-507-716-00 9 1-518-351-00 10 <u>A</u> -1-534-817-XX	JACK (HEAD PHONE) JACK, PIN 4P***(US,CND,UK) JACK, PIN 4P***(AEP) LAMP, PILOT CORD, POWER***(AEP)
11 & 1-534-986 XX 12 & 1-551-963-XX 13 & 1-553-318-00 14 & 1-553-319-00 15 1-553-581-00	CORD, POWER***(US,CND) CORD, POWER***(UK) SWITCH, PUSH (AC POWER)***(AEP,UK) SWITCH, PUSH (AC POWER)***(US,CND) SWITCH, PUSH (S 301-401)
16 1-561-293-00 17 \$;1-604-287-00 18 \$;1-604-288-00 19 \$;1-604-282-00 20 \$;1-604-289-00	SOCKET (4P) PC BOARD, SW PC BOARD, LAMP PC BOARD, LED METER PC BOARD, POWER
21 1-806-076-11 22 3-534-275-00 23 \$;3-567-307-00 24 \$;3-574-128-00 25 \$;3-575-501-00	DIODE (LEVEL METER) SEL8806A SPRING, TENSION HEAT SINK (35) REFLECTOR, METER SLIDER, EJECT
26 3-575-515-00 27 3-575-533-00 28 3-575-546-11 29 3-576-316-00 30 3-576-702-00	KNOB, SLIDE SWITCH BUTTON, EJECT WINDOW, CASSETTE ROD (B), POWER SWITCH PLATE, ORNAMENTAL, KNOB, REC
31 <b>\( \)</b> ;3-576-703-00 32 3-576-704-11 33 <b>\( \)</b> ;3-576-710-00 34 <b>\( \)</b> ;3-576-711-00 35 <b>\( \)</b> ;3-576-716-00	BRACKET, JACK, REMOTE CONTROL KNOB, SELECT, TAPE PLATE, SHIELD, AUDIO BRACKET, TRANSISTOR BRACKET (UPPER), MECHANISM
36 •;3-576-718-00 37 •;3-576-719-00 38 •;3-576-721-00 39 3-576-723-00 40 •;3-576-726-00	PLATE, SHIELD (LEFT) PLATE, SHIELD (RIGHT) PLATE, SHIELD, HEAD CASE PLATE, BOTTOM
41 3-576-727-11 42 3-576-731-00 43 3-576-732-00 44 3-576-733-00 45 •;3-576-737-00	CHASSIS FELT (H) SPRING, LEAF, ELECTROSTATIC SPRING, LEAF, PANEL PLATE, SHIELD, INPUT OUTPUT

#### GENERAL SECTION

No.	Part No.	Description
47 48 49	<b>3</b> ;3-576-741-00	LABEL, MODEL NUMBER***(US,CND) LABEL, MODEL NUMBER***(AEP) ESCUTCHEON (LED), METER ILLUMINATOR (LED), METER PLATE, SHIELD, LED
51 52 53 54 55	3-576-744-00 3-576-745-00 3-576-940-00 3-701-506-01 3-703-037-00	PLATE, ORNAMENTAL (LED), METER LABEL, MODEL NUMBER***(UK) LABEL, BEAD***(UK) SET SCREW, DOUBLE POINT 3X4 INSULATOR, TO-220
57 58	3-703-043-21 3-703-079-21 4-871-322-01 4-871-323-00 X-3576-703-0	LABEL, COURTION (BACK)***(US,CND,UK) CAP, POWER KNOB
62 63 64 64	X-3576-704-0 •;A-2010-192-A •;A-2010-191-A X-3576-705-1 X-3576-706-1 A-2145-043-A	MOUNTED PCB, RECORD/PLAYBACK***(US,CND,UK PANEL ASSY, FRONT***(US,CND,UK) PANEL ASSY, FRONT***(AEP)
67 68 69	7-685-534-29 7-685-871-01	SCREW +B 2.6X4 SCREW +B 2.6X5 SCREW +BTP 2.6X8 SCREW +BVTT 3X6 SCREW +KTP 3X8
	7-685-847-01	SCREW +BVTP 3X10 SCREW +BVTT 3X12 SCREW +BVTP 3X16

#### ACCESSORY & PACKING MATERIAL

No.	Part No.	Description
81 82 83 84 85	1-551-734-11 3-576-748-00 3-576-749-00 3-576-750-00 3-701-630-00	CORD, CONNECTION (RK- 74A) CARTON CUSHION (L) CUSHION (R) BAG, POLYETHYLENE
86 87 88 89 90	3-783-472-11 3-793-828-11 4-866-723-00 8-890-435-10 X-3701-105-0	MANUAL, INSTRUCTION QUESTIONNAIRE SHEET TAPE(FECR 46)***(CND) ROD ASSY, CLEANING, HEAD

- · Items with no part number and no description are not stocked because they are seldom required for routine service.
- · Items marked " ♦ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers  $(\Delta-\Delta\Delta\Delta-\Delta\Delta\Delta-XX)$  or  $\Delta-\Delta\Delta\Delta\Delta-\Delta\Delta\Delta-X)$  may be different from those used in the set.

#### CAPACITORS:

All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers. MF:μF, PF:μμF.

#### RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- · F : nonflammable

#### COILS

· MMH : mH, UH : µH

The components identified by shading and mark Aare critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Asont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

#### MECHANISM SECTION

No.	Part No.	Description
302 303	\$;1-518-313-00 1-548-536-41 \$;1-603-823-00 \$;1-604-290-00 3-481-272-00	LAMP, PILOT COUNTER PC BOARD, PHOTO PC BOARD, MD SPRING, COMPRESSION
306 307 308 309 310	3-532-213-00 3-555-113-00 3-555-114-00 3-558-708-01 3-558-708-11	BELT, COUNTER SPRING (R) SPRING (L) WASHER, STOPPER WASHER, STOPPER
311 312 313 314 315	3-564-027-11	WASHER, STOPPER FELT, LIMITER BELT, CAPSTAN RETAINER, THRUST
317	<b>♦</b> ;3-575-307-00 <b>♦</b> ;3-575-312-00 <b>♦</b> ;3-575-314-00 3-575-320-00 3-575-321-00	LEVER, FWD SPRING LEVER, FULCRUM, HOLDER BASE, ADJUSTMENT, HEAD RETAINER, THRUST, CAPSTAN
321 322 323 324	3-575-324-00 3-575-327-00 3-575-328-00	GEAR, LIMITER STOPPER HOLDER, LAMP BRACKET, HEAD LEVER, DETECTION, HALF
329	3-575-332-00 3-575-333-00 •;3-575-334-00 3-575-345-00 •;3-575-347-00	
331 332 333 334 335	3-575-348-00 3-575-349-00 3-575-350-00 3-575-351-00 3-575-353-00	ROLLER, GUIDE, THREADING PULLEY, CB CLAW, REEL TABLE SPRING TABLE, REEL
336 337 338 339 340	3-575-355-00 3-575-356-00 3-575-357-00	LEVER, LOCK HOLDER, CASSETTE SPRING SPRING, TENSION SPRING, TENSION
341 342 343 344 345	3-575-360-00 3-575-364-00	SPRING, TENSION RING, O SPRING, TENSION SPRING, COMPRESSION SPRING, COMPRESSION

#### MECHANISM SECTION

No.	Part No.	Description
347 348 349	3-575-383-00 3-576-734-00 3-652-612-11 3-701-438-21 3-701-439-21	CHASSIS, HEAD WASHER, CAPSTAN CUSHION (B) WASHER WASHER
352 353 354	7-621-259-15 7-621-772-70 7-621-775-10 7-671-112-11 7-682-949-01	SCREW +P 2.6X3 SCREW +B 2X14 SCREW +B 2.6X4 BALL, STEEL SCREW +PSW 3X10
357 358 359	7-685-534-29 7-685-861-01 7-687-246-21 8-825-724-00 8-829-373-30	SCREW +BTP 2.6X8 TYPE2 N-S SCREW +BVTT 2.6X5 (S) SCREW,TOTSU PTPWH 3X8,TYPE2 HEAD, ERASE EF-201-36 HEAD, REC/PB (PP181-3602C)
362 d	8-835-049-01 ; X-3575-301-0 ; X-3575-302-0 X-3575-303-0 X-3575-304-0	MOTOR, DC (DNE-4100A) PLATE (A) ASSY, HOLDER FULCRUM PLATE (B) ASSY, HOLDER FULCRUM METAL ASSY, CAPSTAN PINCH LEVER (T) ASSY
367 368 369	X-3575-309-0 X-3575-310-0 X-3575-314-0	CHASSIS ASSY, MECHANISM PLATE ASSY, BRAKE LEVER ASSY, TENSION, BACK PLATE ASSY, ORNAMENTAL SOLENOID ASSY
372 373	X-3575-318-0 X-3575-328-1 X-3575-313-0 3-572-384-00	

- Items with no part number and no des-cription are not stocked because they are seldom required for routine service.
- Items marked " " are not stocked since they are seldom required for routine service. Some delay should be antici-pated when ordering these items.
- · Due to standardization, parts with part numbers  $(\Delta-\Delta\Delta\Delta-\Delta\Delta\Delta-XX)$  or  $\Delta-\Delta\Delta\Delta\Delta-\Delta\Delta\Delta-X)$  may be different from those used in the Set.

#### CAPACITORS:

unrauliums:
· All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers.

MF:μF, PF:μμF.

### RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- · F : nonflammable

#### COILS

· MMH : mH, UH : ևH

The components identified by shading and mark Aare critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Asont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro coécifié spécifié.

#### ELECTRICAL PARTS

#### ELECTRICAL PARTS

Ref.No. Part No.	Description	Ref.No.	Part No.	Description
C401 A.1-123-349-00 C402 A.1-123-324-00 C403 A.1-123-337-00 C404 A.1-123-337-00 C601 A.1-123-485-00	ELECT 2200MF 16V ELECT 1000MF 25V ELECT 1000MF 25V	Q101 Q102 Q103 Q104 Q105	8-729-334-58 8-729-663-47 8-729-100-13	TRANSISTOR 2SC1345 TRANSISTOR 2SC1345 TRANSISTOR 2SC1364 TRANSISTOR 2SC2001 TRANSISTOR 2SC1364
D201 8-719-815-55 D301 8-719-990-64 D302 8-719-815-55	DIODE 1S1555 DIODE 1S1555 DIODE HZ6B1L DIODE 1S1555 DIODE 1S1555	Q201 Q202 Q203 Q204 Q205	8-729-334-58 8-729-663-47 8-729-100-13	TRANSISTOR 2SC1345 TRANSISTOR 2SC1345 TRANSISTOR 2SC1364 TRANSISTOR 2SC2001 TRANSISTOR 2SC1364
D305 8-719-815-55	DIODE 1S1555 DIODE 1S1555 DIODE EQB01-15 DIODE 10E-2 DIODE 10E-2	Q301 Q302 Q303 Q304 Q305	8-729-300-37 8-729-384-47 8-729-173-13	TRANSISTOR 2SD809 TRANSISTOR 2SC458A TRANSISTOR 2SA844 TRANSISTOR 2SB731 TRANSISTOR 2SA844
0403 A.8-719-200-02 0404 A.8-719-200-02 0405 A.8-719-200-02 0406 A.8-719-200-02 0407 A.8-719-200-02	DIODE 10E-2 DIODE 10E-2 DIODE 10E-2	Q306 Q307 Q308 Q309 Q310	8-729-663-47 8-729-663-47 8-729-663-47	TRANSISTOR 2SC1364 TRANSISTOR 2SC1364 TRANSISTOR 2SC1364 TRANSISTOR 2SC1364 TRANSISTOR 2SC1364
D410 8-719-815-55	DIODE HZ6C3L DIODE 1S1555 DIODE 1S1555	Q311 Q401 Q402 Q403 Q404	8-729-288-02 8-729-186-23	TRANSISTOR 2SC1364 TRANSISTOR 2SD880 TRANSISTOR 2SD862 TRANSISTOR 2SB808 TRANSISTOR 2SB808
D414 8-719-815-55 D415 8-719-815-55 D416 8-719-815-55	DIODE 1S1555 DIODE 1S1555 DIODE 1S1555 DIODE 1S1555 DIODE 1S1555	Q405 Q406 Q407 Q408 Q409	8-729-801-22 8-729-103-43 8-729-663-47	TRANSISTOR 2SD1012 TRANSISTOR 2SD1012 TRANSISTOR 2SB734 TRANSISTOR 2SC1363 TRANSISTOR 2SD1020
D419 8-719-815-55 D501 8-719-815-55 D502 8-719-815-55	DIODE 10E-2 DIODE 151555 DIODE 151555 DIODE 151555 DIODE 151555	Q410 Q411 Q412 Q413 Q414	8-729-663-47 8-729-612-77 8-729-663-47	TRANSISTOR 2SA1027R TRANSISTOR 2SC1364 TRANSISTOR 2SA1027R TRANSISTOR 2SC1363 TRANSISTOR 2SC1364
D801 8-719-934-32	DIODE PG3432SX DIODE AR3432S DIODE AA3432S	Q501 Q502 Q503 Q504	8-729-195-23 8-729-195-23	TRANSISTOR 2SA952 TRANSISTOR 2SA952 TRANSISTOR 2SA952 TRANSISTOR 2SA952
IC101 8-759-100-02 IC201 8-759-100-02 IC301 8-759-705-62 IC302 8-759-145-57	IC CX-174-2 IC NJM4562D-M	Q601 Q803 R141	8-729-663-47 8-729-101-02	TRANSISTOR 2SC1364 TRANSISTOR PH102
10302 8-759-273-32			1-244-881-00 1-244-909-00	CARBON 2.2K 5% 1/2W
IC401 8-759-908-36 IC402 8-759-729-03 IC403 8-759-133-90 IC501 8-759-993-51	IC NJM2903D		1-244-851-00 1-244-897-00 1-244-881-00	CARBON 120 5% 1/2W CARBON 10K 5% 1/2W
L101 1-408-262-00 L102 1-231-388-00 L201 1-408-262-00	MICRO INDUCTOR 27MMH FILTER, LOWPASS MICRO INDUCTOR 27MMH FILTER, LOWPASS	R247 R253 R255 R267	1-244-881-00 1-244-909-00 1-244-851-00 1-244-897-00	

#### NOTE:

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- Due to standardization, parts with part numbers  $(\Delta-\Delta\Delta\Delta-\Delta\Delta\Delta-XX)$  or  $\Delta-\Delta\Delta\Delta-\Delta\Delta\Delta-X)$  may be different from those used in the set.

#### CAPACITORS:

ARTALTORS:
All capacitors are in µF. Common capacitors are omitted. Refer to the following lists for their part numbers.
MF:µF, PF:µµF.

#### RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- · F : nonflammable

#### COILS

· MMH : mH, UH : բH

The components identified by shading and mark Aare critical for safety.

Replace only with part number specified.

Les composants identifiés par une trame et une marque Asont critiques pour la sécurité. Ne les remplacer :u e par une pièce portant l: numéro spécifié.

#### ELECTRICAL PARTS

Ref.No.	Part No.	Description
R 334 R 335 <u>A</u> R 336 <i>A</i>	.1-212-855-00 .1-212-855-00	METAL 470 5% 1W F CARBON 47 5% 1/2W FUSIBLE 8.2 5% 1/4W F FUSIBLE 8.2 5% 1/4W F CARBON 180 5% 1/2W
R 403 A	.1-244-881-00	CARBON 180 5% 1/2W CARBON 2.2K 5% 1/2W FUSIBLE 4.7 5% 1/4W F
RV102 RV103 RV104	1-224-645-XX 1-224-647-XX 1-226-233-00	RES, VAR 20K/20K(RV101/201) RES, ADJ, CARBON 10K RES, ADJ, CARBON 47K RES, ADJ, CARBON 1K RES, ADJ, CARBON 10K
RV203 RV204		RES, ADJ, CARBON 47K RES, ADJ, CARBON 1K
RY301 RY302	1-515-323-00 1-515-297-00	
S601	1-552-809-00 1-552-532-00 1-552-532-00	
T301	1-433-235-00	COIL, BIAS OSCILLATOR

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- Items marked " " are not stocked since they are seldom required for routine service. Some delay should be antici-pated when ordering these items.
- Due to standardization, parts with part numbers ( $\Delta-\Delta\Delta\Delta-\Delta\Delta\Delta-XX$  or  $\Delta-\Delta\Delta\Delta\Delta-\Delta\Delta\Delta-X$ ) may be different from those used in the

#### CAPACITORS:

· All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers. MF:μF, PF:μμF.

#### RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- · F : nonflammable

· MMH : mH, UH : μΗ

The components identified by shading and mark Aare critical for safety.
Replace only with part number specified.

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Les composants identifiés par une trame et une marque Asont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié. les Variablisces exception receive reservations

### ELECTROLYTIC CAPACITORS

			RATING		→: Use the high volt	age rated one.
/	6.3 VOLT.	10 VOLT.	16 VOLT.	25 VOLT.	35 VOLT.	50 VOLT.
CAP. (µF)	PART No.	PART No.				
0.47					-	1-121-726-00
1.0					→	1-121-391-00
2.2					→	1-121-450-00
3.3			→	1-121-392-00		1-121-393-00
4.7			→	1-121-395-00	-	1-121-396-00
10	<b>→</b>	→ 1-		1-121-398-00	<b>→</b>	1-121-738-00
22	→	<b>→</b>	1-121-479-00	1-121-480-00	1-121-662-00	1-121-152-00
33	→	→	1-121-403-00	1-121-404-00	1-121-652-00	1-121-405-00
47	-	1-121-352-00	1-121-409-00	1-121-410-00	1-121-653-00	1-121-411-00
100	→	1-121-414-00	1-121-415-00	1-121-416-00	1-121-357-00	1-121-417-00
220	1-121-419-00	1-121-420-00	1-121-421-00	1-121-422-00	1-121-261-00	1-121-423-00
330	1-121-751-00	1-121-805-00	1-121-521-00	1-121-654-00	1-121-655-00	1-121-656-00
470	1-121-424-00	1-121-425-00	1-121-426-00	1-121-733-00	1-121-361-00	1-121-810-00
1000	-	1-121-736-00	1-121-245-00	1-121-657-00	1-121-388-00	1-123-061-00
2200	1-121-658-00	1-121-659-00	1-121-660-00	1-123-067-00	1-121-984-00	_
3300			1-123-071-00	_	_	-

0.0 ( =)	100 VOLT.	160 VOLT.	250 VOLT.	350 VOLT.
CAP. (µF)	PART No.	PART No.	PART No.	PART No.
0.47	_	_	_	-
1.0	i-123-249-00	1-123-252-00	1-123-003-00	1-121-168-00
2.2	1-123-250-00	1-123-026-00	-	1-123-028-00
3.3	1-121-995-00	-	1-123-004-00	1-123-006-00
4.7	1-123-255-00	1-121-246-00	1-121-759-00	1-123-007-00
10	1-121-126-00	1-121-999-00	1-123-254-00	1-123-008-00
22	1-121-996-00	1-123-253-00	1-123-005-00	1-123-022-00
33	1-121-997-00	1-121-757-00	-	-
47	1-123-251-00	1-121-919-00	-	
100	1-123-084-00	****		

#### CERAMIC CAPACITORS

			RAT	TING				
	50 VOLT.	0.0 / 5)	50 VOLT.	CAR (-F)	50 VOLT.	CAR (UE)	50 VOLT.	
CAP. (pF)	PART No.	CAP. (pF)	PART No.	CAP. (pF)	PART No.	CAP. (μF)	PART No.	
0.5	0.5 1-101-837-00 22 1-102-959-00		150	1-101-361-00	0.001	1-102-074-00		
0.75	1-101-586-00	24	1-102-960-00	160	1-101-367-00	0.0012	1-102-118-00	
1.0	1-102-934-00	27	1-102-961-00	180	1-102-976-00	0.0015	1-102-119-00	
1.5	1-101-576-00	30	1-102-962-00	200	1-102-977-00	0.0018	1-102-120-00	
2.0	1-102-935-00	33	1-102-963-00	220	1-102-978-00	0.0022	1-102-121-00	
3	1-102-936-00	36	1-102-964-00	240	1-102-979-00	0.0027	1-102-122-00	
4 1-102-937-00 39		39	1-102-965-00	270	1-102-980-00	0.0033	1-102-123-00	
5	1-102-942-00	43	1-102-966-00	300	1-102-981-00	0.0039	1-102-124-00	
6	1-102-943-00	47	1-101-880-00	330	1-102-820-00	0.0047	1-102-125-00	
7	1-102-944-00	51	1-101-882-00	360	1-102-821-00	0.0056	1-102-126-0	
8	1-102-945-00	56	1-101-884-00	390	1-102-822-00	0.0068	1-102-127-0	
9	1-102-946-00	62	1-101-886-00	430	1-102-823-00	0.0082	1-102-128-0	
10	1-102-947-00	68	1-101-888-00	470	1-102-824-00	0.01	1-102-129-0	
11	1-102-948-00	75	1-101-890-00	510	1-101-059-00	0.022	1-101-005-0	
12	1-102-949-00	82	1-102-971-00	560	1-102-115-00	0.047	1-101-006-0	
13	1-102-950-00	91	1-102-972-00	680	1-102-116-00			
1.5	1-102-951-00	100	1-102-973-00	820	1-102-117-00			
16	1-102-952-00	110	1-102-815-00					
18	1-102-953-00	120	1-102-816-00	j				
20	1-102-958-00	130	1-101-081-00	1				

0.001µF = 1,000pF

### CERAMIC (SEMICONDUCTOR) CAPACITORS

		R.	ATING	: Use the high vo	tage rated one.	
	25 VOLT.	50 VOLT.	CAR (-5)	25 VOLT.	50 VOLT. PART No.	
CAP, (μF)	PART No.	PART No.	CAP. (µF)	PART No.		
0.001		1-161-039-00	0.018	1-161-016-00	1-161-054-00	
0.0012	→	1-161-040-00	0.022	1-161-017-00	1-161-055-00	
0.0015		1-161-041-00	0.027	1-161-018-00	1-161-056-00	
0.0018		1-161-042-00	0.033	1-161-019-00	1-161-057-00	
0.0022		1-161-043-00	0.039	1-161-010-00	1-161-058-00	
0.0027	→	1-161-044-00	0.047	1-161-021-00	1-161-059-00	
0.0033		1-161-045-00	0.056	→	1-161-060-00	
0.0039	→	1-161-046-00	0.068	<b>→</b>	1-161-061-00	
0.0047	→	1-161-047-00	0.082	1-161-024-00	1-161-062-00	
0.0056		1-161-048-00	0.1	1-161-025-00	1-161-063-00	
0.0068	<b>→</b>	1-161-049-00				
0.0082	1-161-012-00	1-161-050-00	TO SELECTION OF THE PERSON OF			
0.01	1-161-013-00	1-161-051-00			İ	
0.012	<b>→</b>	1-161-052-00			-	
0.015	1-161-015-00	1-161-053-00	1		[	

#### MYLAR CAPACITORS

						RATING					
	50 VOLT.	100 VOLT.	200 VOLT.		50 VOLT.	100 VOLT.	200 VOLT.	040 (5)	50 VOLT.	100 VOLT.	200 VOLT.
CAP. (µF)	PART No.	PART No.	PART No.	CAP. (µF)	PART No.	PART No.	PART No.	CAP. (µF)	PART No.	PART No.	PART No.
0.001	1-108-227-00	1-108-365-00	1-108-409-00	0.01	1-108-239-00	1-108-377-00	1-108-421-00	0.1	1-108-251-00	1-108-389-00	1-108-433-00
0.0012			1-108-410-00	i .	1-108-357-00	1-108-378-00	1-108-422-00	0.12	1-108-363-00	1-108-390-00	1-108-434-0
0.0015			1-108-411-00	0.015	1-108-240-00	1-108-379-00	1-108-423-00	0.15	1-108-252-00	1-108-391-00	1-108-435-0
0.0018			1-108-412-00	0.018	1-108-358-00	1-108-380-00	1-108-424-00	0.18	1-108-364-00	1-108-392-00	1-108-436-0
0.0022			1-108-413-00	1	1-108-242-00	1-108-381-00	1-108-425-00	0.22	1-108-254-00	1-108-393-00	1-108-437-00
0.0027			1-108-414-00		1-108-359-00	1-108-382-00	1-108-426-00	0.27	1-108-854-00	-	
0.0033			1-108-415-00		1-108-244-00	1-108-383-00	1-108-427-00	0.33	1-108-855-00		_
0.0039			1-108-416-00		1-108-360-00	1-108-384-00	1-108-428-00	0.39	1-108-856-00	-	
0.0047			1-108-417-00		1-108-246-00	1-108-385-00	1-108-429-00	0.47	1-108-857-00	-	-
0.0056			1-108-418-00		1-108-361-00	1-108-386-00	1-108-430-00				
0.0068		1-108-375-00			1-108-249-00	1-108-387-00	1-108-431-00				
0.0082	1-108-356-00	1-108-376-00	1-108-420-00	0.082	1-108-362-00	1-108-388-00	1-108-432-00				



TANTALUM CAPACITORS

1-131-252-00

1-131-253-00 1-131-174-00

1-131-176-00 1-131-288-00 1-131-177-00

			RATING	→:	Use the high voltag	e rated one.	
	3.15 VOLT.	6.3 VOLT.	10 VOLT.	16 VOLT.	20 VOLT.	25 VOLT.	35 VOLT.
CAP. (µF)	PART No.	PART No.	PART No.				
0.01					<b>→</b>	→	1-131-396-00
0.015						<b>→</b>	1-131-397-00
0,022		i				. →	1-131-398-00
0.033						→	1-131-399-00
0.047						<b>→</b>	1-131-400-00
0.068		†			<b>→</b>		1-131-401-00
0.1					-	<b>→</b>	1-131-402-00
0.15					→	<b>→</b>	1-131-403-00
0.22					<b>→</b>		1-131-404-00
0.33					-	1-131-409-00	1-131-405-00
0.47		-			1-131-412-00		1-131-406-00
0.68	,		-	1-131-415-00		1-131-410-00	1-131-407-00
1.0	_	_	1-131-418-00	-	1-131-413-00		1-131-408-00
1.5	_	1-131-421-00	· · ·	1-131-416-00	-+	1-131-411-00	1-131-348-00
2.2	1-131-424-00	-	1-131-419-00	-	1-131-414-00	1-131-355-00	1-131-349-00
3.3		1-131-422-00		1-131-417-00	1-131-362-00	1-131-356-00	1-131-350-00
4.7	1-131-425-00		1-131-420-00	1-131-369-00	1-131-363-00	1-131-357-00	1-131-351-00
6.8	***	1-131-423-00	1-131-376-00	1-131-370-00	1-131-364-00	1-131-358-00	1-131-352-00
10	1-131-426-00	1-131-383-00	1-131-377-00	1-131-371-00	1-131-365-00	1-131-359-00	1-131-353-00
15	1-131-390-00	1-131-384-00	1-131-378-00	1-131-372-00	1-131-366-00	1-131-360-00	-
22	1-131-391-00	1-131-385-00	1-131-379-00	1-131-373-00	1-131-367-00		
33	1-131-392-00	1-131-386-00	1-131-380-00	1-131-374-00			
47	1-131-393-00	1-131-387-00	1-131-381-00	-		1	
68	1-131-394-00	1-131-388-00	-				!
100	1-131-395-00						1

			RATING				
	3 VOLT.	6.3 VOLT.	10 VOLT.	16 VOLT.	20 VOLT.	35 VOLT	
CAP. (µF)	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	
0.033						1-131-273-00	
0.047						1-131-274-00	
0.068						1-131-275-00	
0.1						1-131-276-00	
0.15						1-131-277-00	
0.22					1-131-262-00	1-131-278-00	
0.33			-		1-131-263-00	1-131-279-00	
0.47			1-131-169-00	-	1-131-264-00	1-131-280-00	
0.68			_	1-131-258-00	1-131-265-00	1-131-281-00	
1.0	1 1 1		1-131-254-00		1-131-266-00	1-131-282-00	
1.5		1-131-250-00		i –	1-131-267-00	1-131-283-00	
2.2	ĺ		-	1-131-259-00	1-131-268-00	1-131-284-00	
3.3			1-131-255-00	_	1-131-269-00		
4.7		1-131-251-00	1-131-171-00		1-131-270-00	i –	
6.8			_	1-131-260-00	1-131-271-00	_	
10	-		1-131-256-00		1-131-272-00		

1-131-257-00 1-131-173-00 1-131-261-00

### 1/8 WATT CARBON RESISTOR

Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.
2.0		13	1-246-821-00	91	1-246-831-00	620	1-246-841-00	4.3k	1-246-851-00	30k	1-246-861-00	200k	1-246-871-00
2.2	1-246-751-00	15	1-246-761-00	100	1-246-771-00	680	1-246-781-00	4.7k	1-246-791-00	33k	1-246-801-00	220k	1-246-811-00
2.4		16	1-246-822-00	110	1-246-832-00	750	1-246-842-00	5.1k	1-246-852-00	36k	1-246-862-00	240k	1-247-054-00
2.7	1-246-752-00	18	1-246-762-00	120	1-246-772-00	820	1-246-782-00	5.6k	1-246-792-00	39k	1-246-802-00	270k	1 -247 -046 -00
3.0	_	20	1-246-823-00	130	1-246-833-33	910	1-246-843-00	6.2k	1-246-853-00	43k	1-246-863-00	300k	1-247-055-00
3.3	1-246-753-00	22	1-246-763-00	150.	1-246-773-00	1.0k	1-246-783-00	6.8k	1-246-793-00	47k	1 -246 -803 -00	330k	1 -247 -047 -00
3.6		24	1-246-824-00	160	1-246-834-00	1.1k	1-246-844-00	7.5k	1-246-854-00	51k	1-246-864-00	360k	1-247-056-00
3.9	1-246-754-00	27	1-246-764-00	180	1-246-774-00	1.2k	1-246-784-00	8.2k	1-246-794-00	56k	1-246-804-00	390k	1-247-048-00
4.3		30	1-246-825-00	200	1-246-835-00	1.3k	1-246-845-00	9.1k	1-246-855-00	62k	1-246-865-00	430k	1-247-057-00
4.7	1-246-755-00	33	1-246-765-00	220	1-246-775-00	1.5k	1-246-785-00	10k	1-246-795-00	68k	1-246-805-00	470k	1-247-049-00
5.1	_	36	1-246-826-00	240	1-246-836-00	1.6k	1-246-846-00	11k	1-246-856-00	75k	1-246-866-00	510k	1-247-058-00
5.6	1-246-756-00	39	1-246-766-00	270	1-246-776-00	1.8k	1-246-786-00	12k	1-246-796-00	82k	1-246-806-00	560k	1-247-050-00
6.2		43	1-246-827-00	300	1-246-837-00	2.0k	1-246-847-00	13k	1-246-857-00	91k	1-246-867-00	620k	1-247-059-00
6.8	1-246-757-00	47	1-246-767-00	330	1-246-777-00	2.2k	1-246-787-00	15k	1-246-797-00	100k	1 -246 -807 -00	680k	1-247-051-00
7.5	1 -246 -818 -00	51	1-246-828-00	360	1-246-838-00	2.4k	1-246-848-00	16k	1-246-858-00	110k	1-246-868-00	750k	1-247-060-00
8.2	1 -246 -758 -00	56	1-246-768-00	390	1-246-778-00	2.7k	1-246-788-00	18k	1-246-798-00	120k	1-246-808-00	820k	1-247-052-00
9.1	1-246-819-00	62	1-246-829-00	430	1-246-839-00	3.0k	1-246-849-00	20k	1-246-859-00	130k	1-246-869-00	910k	1-247-061-00
10	1-246-759-00	68	1-246-769-00	470	1-246-779-00	3.3k	1-246-789-00	22k	1-246-799-00	150k	1-246-809-00	1 M	1-247-053-00
11	1-246-820-00	75	1-246-830-00	510	1-246-840-00	3.6k	1-246-850-00	24k	1-246-860-00	160k	1-246-870-00		
12	1-246-760-00	82	1-246-770-00	560	1-246-780-00	3.9k	1-246-790-00	27k	1-246-800-00	180k	1-246-810-00		

### 1/4 WATT CARBON RESISTORS

	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.
Ω	Fan Ivo.	22	Fari Ivo.	52	1471 140.	1 22	1471 140.	26	1471 110.	36	Fant Ivo.	32	Fart Ivo.
1.0	1-246-401-00	10	1-246-425-00	100	1-246-449-00	1.0k	1-246-473-00	10k	1-246-497-00	100k	1-246-521-00	1.0M	1-246-545-00
1.1	1-246-402-00	11	1-246-426-00	110	1-246-450-00	1.1k	1-246-474-00	11k	1-246-498-00	110k	1-246-522-00	1.1M	1-210-814-00
1.2	1-246-403-00	12	1-246-427-00	120	1-246-451-00	1.2k	1-246-475-00	12k	1-246-499-00	120k	1-246-523-00	1.2M	1-210-815-00
1.3	1-246-404-00	13	1-246-428-00	130	1-246-452-00	1.3k	1-246-476-00	13k	1-246-500-00	130k	1-246-524-00	1.3M	1-210-816-00
1.5	1-246-405-00	15	1-246-429-00	150	1-246-453-00	1.5k	1-246-477-00	15k	1-246-501-00	150k	1-246-525-00	1.5M	1-210-817-00
				100	1 046 454 00	, ,,	1 046 -479 -00	16k	1-246-502-00	1601.	1-246-526-00	1 634	1-210-818-00
1.6	1-246-406-00	16	1-246-430-00	160			1-246-478-00				1-246-527-00		1-210-819-00
1.8	1-246-407-00	18	1-246-431-00	180	1-246-455-00	1.8k		18k	1-246-503-00	1			1-210-819-00
2.0	1-246-408-00	20	1-246-432-00	200	1-246-456-00	2.0k	1-246-480-00	20k	1-246-504-00	200k	1-246-528-00	1	
2.2	1-246-409-00	22	1-246-433-00	220	1-246-457-00			22k	1-246-505-00	220k	1-246-529-00	i	1-210-821-00
2.4	1-246-410-00	24	1-246-434-00	240	1-246-458-00	2.4k	1-246-482-00	24k	1-246-506-00	240k	1-246-530-00	2.4M	1-244-754-00
2.7	1-246-411-00	27	1-246-435-00	270	1-246-459-00	2.7k	1-246-483-00	27k	1-246-507-00	270k	1-246-531-00	2.7M	1-244-755-00
3.0	1-246-412-00	30	1-246-436-00	300	1-246-460-00	3.0k	1-246-484-00	30k	1-246-508-00	300k	1-246-532~00	3.0M	1-244-756-00
3.3	1-246-413-00	33	1-246-437-00	330	1-246-461-00	3.3k	1-246-485-00	33k	1-246-509-00	330k	1-246-533-00	3.3M	1-244-757-00
3.6	1-246-414-00	36	1-246-438-00	360	1-246-462-00	3.6k	1-246-486-00	36k	1-246-510-00	360k	1-246-534-00	3.6M	1-244-758-00
3.9	1-246-415-00	39	1-246-439-00	390	1-246-463-00	3.9k	1-246-487-00	39k	1-246-511-00	390k	1-246-535-00	3.9M	1-244-759-00
										4001	1 046 526 00	4 034	1 044 760 00
4.3		43	1-246-440-00	430	1-246-464-00	4.3k	1-246-488-00	43k	1-246-512-00		1-246-536-00		1-244-760-00
4.7	1-246-417-00	47	1-246-441-00	470	1-246-465-00	4.7k		47k	1-246-513-00	1	1-246-537-00		1-244-761-00
5.1	1-246-418-00	51	1-246-442-00	510	1-246-466-00	5.1k	1-246-490-00	51k	1-246-514-00		1-246-538-00	5.1M	1-244-762-00
5.6	1-246-419-00	56	1-246-443-00	560	1-246-467-00	5.6k	1-246-491-00	56k	1-246-515-00	560k	1-246-539-00		
6.2	1-246-420-00	62	1-246-444-00	620	1-246-468-00	6.2k	1-246-492-00	62k	1-246-516-00	620k	1-246-540-00		
6.8	1-246-421-00	68	1-246-445-00	680	1-246-469-00	6.8k	1-246-493-00	68k	1-246-517-00	680k	1-246-541-00		
7.5	1-246-422-00	75	1-246-446-00	750	1-246-470-00	7.5k	1-246-494-00	75k	1-246-518-00	750k	1-246-542-00		
8.2	1-246-423-00	82	1-246-447-00	820	1-246-471-00	8.2k	1-246-495-00	82k	1-246-519-00	820k	1-246-543-00		
9.1	1-246-424-00	91	1-246-448-00	910	1-246-472-00			91k	1-246-520-00	910k	1-246-544-00		
3.1	1 240 424 00	31	1 240 440 00	310	240 472 00	J	- 3.0						

#### DIMENSIONS AND PART NO. OF PRECISION SCREWS

(Flat-countersunk-head screw) (Pan-head screw) Part No. Part No. Size (mm) Size (mm) Type Type (d X L)  $(d \times L)$ Silver Black Silver Black P1.4 × 1.4 P1.4 × 1.6 7-627-551-47 7-627-551-07  $\begin{array}{c} K1.4 \times 1.6 \\ K1.4 \times 1.8 \\ K1.4 \times 2 \end{array}$ 7-627-451-08 7-627-451-07 7-627-551-08 P1.4 × 1.8 P1.4 × 2 7-627-451-38 7-627-451-37  $K1.4 \times 2.2$ 7-627-551-18 7-627-551-17  $P1.4 \times 2.2$  $K1.4 \times 2.5$ 7-627-451-18 7-627-451-17 P1.4 × 2.5 P1.4 × 2.8 7-627-551-28 7-627-551-88 K1.4 × 2.8 K1.4 × 3 K1.4 × 3.5 7-627-551-27 7-627-451-28 7-627-451-27 P1.4 × 3 P1.4 × 3.5 P1.4 × 4 7-627-451-47 7-627-551-58 7-627-551-57 7-627-551-68 7-627-551-78 7-627-551-67 7-627-551-77 K1.4 × 4 K1.4 × 4.5  $K1.4 \times 5$ 7-627-451-78 7-627-451-77  $P1.4 \times 4.5$ P1.4 X 5 7-627-551-38 7-627-551-37 K1.7 × 1.8 K1.7 × 2 K1.7 × 2.2 K1.7 × 2.5  $P1.7 \times 1.6$ 7-627-552-18 P1.7 × 1.8 P1.7 × 2 P1.7 × 2.2 P1.7 × 2.5 7-627-552-28 7-627-552-27  $K1.7 \times 2.8$ 7-627-552-08 7-627-552-07  $K1.7 \times 3$ K1.7 × 3.5 K1.7 × 4 K1.7 × 4.5 K1.7 × 5 P1.7 × 2.8 P1.7 × 3 P1.7 × 3.5 P1.7 × 4 7-627-552-38 7-627-552-78 Type 1 7-627-450-78 7-627-552-37 7-627-552-48 7-627-552-47 P1.7 × 4.5 7-627-552-67 K1.7 × 5.5 K1.7 × 6  $\begin{array}{c} P1.7\times5\\P1.7\times5.5\\P1.7\times6\end{array}$ 7-627-552-57 7-627-552-58 Type 1 K2 × 2 K2 × 2.2 K2 × 2.5 K2 × 2.8 K2 × 3 7-627-452-08 7-627-452-07 P2 × 1.8 P2 × 2 P2 × 2.2 P2 × 2.5 P2 × 2.8 7-627-553-18 7-627-553-17 7-627-554-07 7-627-553-27 7-627-452-18 7-627-452-17 7-627-553-28 K2 × 3.5 K2 × 4 K2 × 4.5 K2 × 5 K2 × 5.5 7-627-452-28 7-627-553-38 7-627-553-37 P2 × 3.5 P2 × 4 P2 × 4.5 7-627-554-17 7-627-553-47 7-627-553-57 7-627-452-38 7-627-553-48 7-627-553-58  $P2 \times 5$ 7-627-553-67  $K2 \times 6$ K2 × 7 K2 × 8 P2 × 5.5 P2 × 6 P2 × 7 P2 × 8 7-627-553-88 7-627-553-98 7-627-553-87 7-627-553-97 P2 × 10 7-627-553-78 7-627-553-77  $P1.4 \times 1.4$ 7-627-850-37 P1.4 × 1.4 P1.4 × 1.6 P1.4 × 1.8 P1.4 × 2 P1.4 × 2.2 7-627-850-47 7-627-850-77 7-627-850-08 7-627-850-07 P1.4 × 2.5 P1.4 × 2.8 7-627-850-18 7-627-850-17 Type 3 P1.4 × 3 P1.4 × 3.5 7-627-850-28 7-627-850-58 7-627-850-27 7-627-850-57 P1.4 × 4 7-627-850-68 7-627-850-67  $P1.4 \times 4.5$ 7-627-851-17 7-627-851-27 P1.4 X 5

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## STEREO CASSETTE DECK



US Model Canadian Model AEP Model UK Model E Model

## CORRECTION

No. 1 July, 1982

This correction updates the service manual to cover the misprintings in the parts list.

File this correction with the service manual.

#### Page 35.

No.	Correct Part No.	Correct Description				
	3-783-472-11	MANUAL, INSTRUCTION (AEP, UK, E)				
86	3-783-472-21	MANUAL, INSTRUCTION(US, Canadian)				
00	3-795-136-11	MANUAL, INSTRUCTION; DUTCH/SWEDISH (AEP				
	3-795-137-31	MANUAL, INSTRUCTION; FRENCH (Canadian)				

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Ref. No.	Correct Part No.	Correct Description			
IC401	8-759-948-36	IC MSM5836RS			

